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# GARDEN GUIDE & CATALOGUE

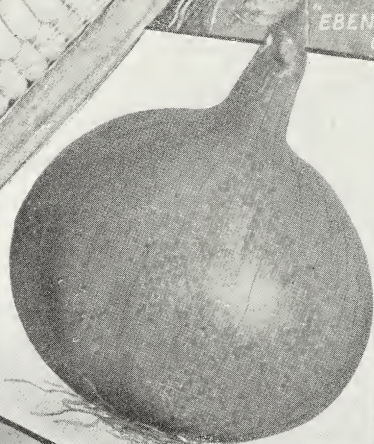
## 1921



"EARLIEST  
PRODUCER"  
TOMATO



"GOLDEN  
BANTAM"  
CORN



"EBENEZER"  
ONION



"BIG  
BOSTON"  
LETTUCE

QUEEN CITY SEED & NURSERY CO. INC.  
33-35 E. CHIPPEWA ST. OPP. MARKET BUFFALO, N.Y.



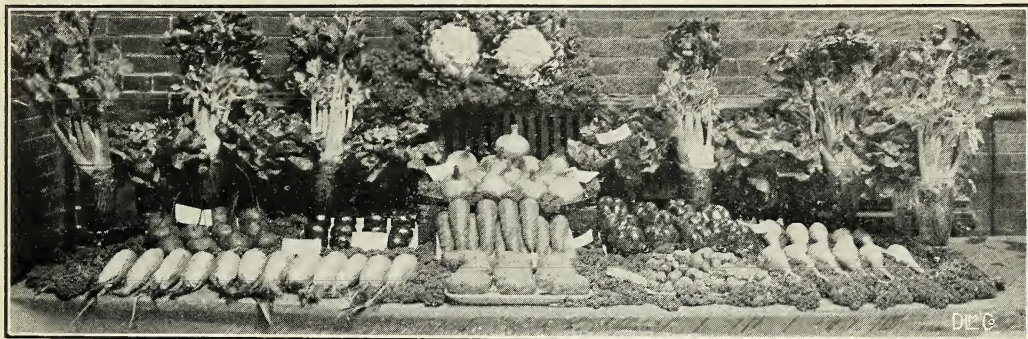
# QUEEN CITY PLANTING TABLE FOR HOME VEGETABLE GARDENS

	Seed or Plants per 100 ft. of row	Rows apart	Plants apart in row	Ready to use after planting
Artichoke.....	1/2 oz.....	2 to 3 ft.....	2 to 3 ft.....	15 months
Asparagus for transplant- ing.....	1 oz.....	1 to 2 ft.....	3 to 5 in.....	3 to 4 years.
Beans, Bush.....	1 qt.....	18 to 24 in.....	3 in.....	40 to 65 days.
Beans, Pole.....	1/2 pt.....	3 to 4 ft.....	3 to 4 ft.....	50 to 80 days.
Beets.....	2 ozs.....	12 to 14 in.....	4 to 6 in.....	60 to 80 days.
Borecole, or Kale.....	1/3 oz.....	24 to 30 in.....	12 to 18 in.....	90 to 120 days.
Broccoli.....	1/4 oz.....	24 to 30 in.....	16 to 24 in.....	100 to 130 days.
Brussels Sprouts.....	1 pkt.....	24 to 30 in.....	16 to 24 in.....	90 to 120 days.
Cabbage, Early.....	1 pkt.....	26 to 30 in.....	16 to 24 in.....	90 to 130 days.
Cabbage, Late.....	1 pkt.....	24 to 36 in.....	15 to 24 in.....	90 to 130 days.
Carrot.....	1 oz.....	12 to 15 in.....	3 to 4 in.....	75 to 100 days.
Cauliflower.....	1/4 oz.....	24 to 30 in.....	24 to 30 in.....	100 to 130 days.
Celery.....	1 pkt.....	3 to 4 ft.....	6 in.....	120 to 150 days.
Celeriac.....	1 pkt.....	18 to 24 in.....	6 in.....	100 to 150 days.
Chervil.....	1 pkt.....	1 ft.....	1 ft.....	120 days.
Chicory.....	1 pkt.....	10 to 12 in.....	3 to 4 in.....	5 to 6 mo.
Chives.....	1 oz.....	12 to 18 in.....	3 ins.....	130 to 150 days.
Corn, Sweet.....	3/4 lb.....	4 ft.....	12 in.....	60 to 100 days.
Corn Salad.....	1 oz.....	12 to 18 in.....	3 in.....	60 days.
Cress.....	1 oz.....	1 ft.....	.....	.....
Cucumber.....	1 pkt.....	4 to 6 ft.....	4 to 6 ft.....	60 to 80 days.
Egg Plant.....	1/2 oz.....	24 in.....	18 in.....	100 to 140 days.
Endive.....	1 oz.....	18 in.....	8 to 12 in.....	90 days.
Kohl-Rabi.....	1/2 oz.....	18 in.....	8 to 10 in.....	60 to 80 days.
Leek.....	3/4 oz.....	12 in.....	6 in.....	120 to 180 days.
Lettuce.....	1 pkt.....	1 ft.....	8 to 12 in.....	60 to 90 days.
Muskmelon.....	1 pkt.....	4 to 6 ft.....	.....	120 days.
Watermelon.....	1 oz.....	4 to 6 ft.....	.....	100 to 120 days.
Mustard.....	1 pkt.....	12 in.....	3 in.....	60 to 90 days.
Okra, or Gumbo.....	2 ozs.....	3 ft.....	12 in.....	90 to 140 days.
Onion.....	1 oz.....	12 to 18 in.....	3 in.....	130 to 150 days.
Parsnip.....	1/2 oz.....	18 in.....	3 to 6 in.....	90 to 120 days.
Parsley.....	1 pkt.....	1 ft.....	6 in.....	90 to 120 days.
Pepper.....	1 pkt.....	18 to 24 in.....	15 in.....	100 to 140 days.
Peas.....	1 qt.....	3 ft.....	3 in.....	50 to 80 days.
Potato.....	1/2 pt.....	24 to 36 in.....	15 in.....	80 to 140 days.
Pumpkin.....	1 pkt.....	8 ft.....	.....	100 to 140 days.
Radish.....	1 oz.....	6 to 12 in.....	2 in.....	20 to 40 days.
Rhubarb.....	1 pkt.....	1 ft.....	4 to 5 in.....	1 to 3 years.
Salsify.....	2 ozs.....	18 in.....	3 to 6 in.....	120 to 180 days.
Spinach.....	1 oz.....	1 ft.....	.....	30 to 60 days.
Spinach, New Zealand.....	.....	2 ft.....	3 to 4 seed in a hill	60 to 100 days.
Squash.....	1 pkt.....	4 to 8 ft.....	7 to 8 seed in a hill	100 to 150 days.
Tomato.....	1 pkt.....	3 to 4 ft.....	2 to 3 ft.....	100 to 140 days.
Turnips.....	1/2 oz.....	12 to 15 in.....	6 in.....	60 to 80 days.

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## Queen City Seed and Nursery Company, Inc.

**I**T is because we have felt that there was a sufficient interest in good gardens and good gardening, both for pleasure and profit, in Western New York State, and that those interested in such work would gladly support an effort to supply them with the **best in seeds**, both vegetable and flower, that we have attempted to supply such a demand by establishing an up-to-date Seed Store in this City.

We take this opportunity to thank our many patrons for the kindly and cordial response to our invitation to inspect our store and obtain from us such Seeds, Perennial Plants, Shrubs, Garden Tools, Fertilizers, etc., as they might be in need of in their garden work. We appreciate the forbearance all have shown for our many shortcomings and our inability to take better care of the great and unexpected volume of orders handed to us, especially during our busy seasons.

You will find our present catalogue gives, as far as possible in the space we have at our disposal, **general directions for the planting and culture of vegetables and flowers, the proper fertilizing and preparing of the garden**, a helpful and complete **planting table**, and a listing of the varieties of **Seeds, Perennials, Shrubs, and Fruits best suited** to this locality. The amateur gardener will find this information of assistance in preparing the garden, making selection of vegetable and flower seeds, and obtaining the best results from his efforts.

**Keep down your table expenses**, by growing a supply of "Queen City" quality Vegetables. Your own back yard is a veritable gold mine if taken advantage of. Let us help you have health-building vegetables and fruits of full flavor and freshness; let us help you beautify your home with flowers and shrubs, by consulting these pages or consulting us as to methods to pursue or seeds to purchase.

Seeds of the very best quality sometimes fail through improper treatment. A small seed may be sown too deeply and the young plant cannot reach the surface. **More failures result from a disregard of proper conditions than the inferiority of the seeds used.** These conditions are, proper temperature, sufficient moisture, free access of air, and proper condition of the soil.

Seeds differ greatly as to the temperature required for germination. Moisture is liable to be used in excess and thereby interfering with the free access of air to the soil. Air performs an important part in germination. Young plants are also liable to accidents, after finding their way to the surface; a sudden current of very cold air, or a continuous drying wind may check their growth or destroy them altogether. In addition there are insects both above and below the ground, that may attack the plants, some of them being so very small that the crop may be destroyed before they are discovered.

**There is also the well known tendency of some vegetables to revert to former types, yellow podded Wax Beans becoming green; Dwarf Peas becoming running sorts, etc., all of this notwithstanding the care of the seed grower.**

Therefore, the Queen City Seed and Nursery Company, Inc., gives no warranty either expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants, or shrubs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

**QUEEN CITY SEED AND NURSERY CO. Inc.**

**33-35 East Chippewa Street, Buffalo, N. Y.**

Many who have a garden spot also have room for poultry keeping. For the small space required, no greater returns may be obtained and more pleasure afforded, than by raising a few chickens. Eggs, better flavored and fresher than you can buy in the stores, tender broilers and roasting chickens, superior to those offered in the markets, can be raised at a great saving over the price paid for them in the stores. Our line of Poultry Feeds, Drinking Fountains, and Feeders, and general supplies for the Poultry Keeper is both complete and of the highest quality.

## GENERAL CULTURAL DIRECTIONS FOR VEGETABLES

Three things are really necessary for growing a good crop of vegetables, suitable soil, good seed, and clean cultivation. The vegetable garden should have a southern or southeast exposure. A good sandy loam is the best. If the soil is stiff and clayey, work in a liberal supply of sifted coal ashes or sand and add well rotted stable manure or Wizard Brand Sheep Manure and Prepared Humus.

A dark colored soil, or one well supplied with decayed vegetable matter will give earliest crops. To produce best results the soil should be at least 1 foot deep. As a rule do not let the same crop or kind of vegetable occupy the same bed or spot two years in succession. There are a few exceptions to this rule, such as potatoes, onions, and a few other things.

Sow seeds in rows or drills as far as possible, allowing sufficient space between rows to allow an easy cultivation. A wheel-hoe and tools accompanying the same, such as a small plow point, cultivator, etc., are a good investment and allow a good sized garden to be worked with ease and kept in good condition.

By starting certain kinds of vegetable plants in hotbeds or even in a coldframe, much time can be saved and earlier crops secured. Tomatoes, Peppers, Cabbage, Egg Plants, Cauliflower, Lettuce, etc., are in this class, but as this Company makes a specialty of growing and supplying all such plants in small or large numbers, they may be purchased at a moderate cost, especially when only a few of each are wanted.

**Coldframe, to Prepare.**—A coldframe is simply a frame set on the ground and banked up on the outside during the Winter with salt, hay, straw or coarse litter. Prepare the soil by spading or forking in a liberal amount of old well rotted manure, which may be taken from the previous season's hotbed.

If the frame is prepared in the Fall, young Cabbage, Cauliflower and Lettuce Plants may be set in it so as to get well started before cold weather. During cold and stormy days and nights cover with sash, and further protection be given with straw mats. Air freely during warm spells to keep plants dormant without freezing. Seeds of above vegetables, as well as Radish, may be sown in the Spring, in February or March. The frame should be in a sheltered spot and protected by mats or a thick covering of straw during cold nights.

## HOTBEDS

Frames should be made of good heavy planks 2 inches thick, 18 inches high at back and 12 inches at the front to give proper slope to catch the sunlight. As sash are made 3x6 feet, have the frame that size or multiples of 3 feet in width if a frame larger than one such size is wanted. Make the pit 2½ feet deep of brick or heavy plank. Locate in a well-drained, sheltered place, facing south or southeast. For filling use fresh horse manure and add ½ to 12 its bulk of leaves or coarse straw. Mix thoroughly and tramp thoroughly and make into a pile so fermentation will start. Allow to stand for several days. Turn and mix again and allow to stand until fermentation starts a second time.

When ready, place the mixture in the pit in layers and tread firmly. Fill until it is 2 to 2½ feet deep. Put on sash, and all heat to rise and then fall until a thermometer placed in the mixture shows 90°. Then put on good soil to the depth of 6 to 8 inches. Sow seed thinly in drills, 3 inches apart. Air must be given every mild day by raising sash at the back. Water with lukewarm water when necessary. During cold nights and snowstorms cover glass with mats or board shutters. Thin plants when in second leaf or transplant to another frame. Sow Tomatoes, Peppers, Egg Plants separately from other seed as they require more heat.

Hotbeds may be made on the surface if the manure extends at least a foot wider on all sides of the frame.

## PLANTING SEED

In the average garden the majority of things are grown from seeds. Yet every year there are thousands of failures blamed on "poor seeds," simply because many gardeners, even though of many years' experience, do not take the trouble to follow a few simple rules. The first thing to learn when planting seeds is when the various kinds may be planted safely, so far as temperature is concerned. Dates are misleading, because seasons vary so greatly. Here is a simple rule:

Plant the very hardy things, such as Onions, Onion Sets, Smooth Peas, Sweet Peas, Turnips, Radish, Spinach and Early Beets, just as soon as the garden is dry enough to be worked.

Plant the hardy things, such as Cabbage, Lettuce Plants, Cauliflower, Beets, Swiss Chard, Carrots, Wrinkled Peas, Parsnips, Salsify, Potatoes, Kohl-Rabi and Summer Squash when the pear and peach trees are in bloom.

Plant the tender things, such as Beans, Corn, Cucumbers, Gourds, Melons, Okra, Pumpkins, Squash, when the apple trees are in bloom.

Plants of Tomatoes, Peppers, Egg Plants, Okra, Melon, Pole Beans, etc., should not be put out until after danger of late frosts has passed. In planting make your plan carefully. Make every row straight, it looks better and the extra time spent will be saved when you come to use the wheel-hoe. Be careful to get your first row at a right angle with the side of the garden. Cover small seeds, like Lettuce, Radish, Onions, ¼ to ½ inch deep; medium size, such as Beets, Spinach, Parsnips, ½ to 1 inch; and larger seeds, such as Beans, Corn, Pumpkins, 1 to 2 inches. In heavy soil, wet weather, or early in the season, cover more lightly than for normal conditions; in very light soil, or hot, dry weather, more deeply. Firm the soil down lightly over the seeds. Beans, Peas, Corn and Melons often come up poorly, because of neglect in this respect. When sowing by hand cover immediately by fresh, moist soil, and cover down by even treading along the row.

When transplanting, be sure that the plants do not wilt before being set; that they are put in firmly and that the roots do not come in contact with any fertilizer or fresh manure. Set out plants preferably on a rainy day or late in the afternoon, and protect from wind or sun. When planting press the soil firmly over the roots. A plant well set will pull apart before pulling from the ground.



# Queen City Reliable Vegetable Seeds

The cultural directions given in this catalogue are for the growing of vegetables in the vicinity of Buffalo. For other localities the climatic conditions must be considered. Gardening conditions vary according to latitude and the nearness of large bodies of water which influence temperatures. On inside front cover page you will find a table giving the quantities of seed required for 100 feet of row, the distance between rows, the space between plants in the row and average time of planting.

The use of hotbeds and coldframes should be more general, even by those having small gardens. Hotbeds are especially valuable for starting early vegetables and many flowers, so they will be ready to set out as soon as the ground is in condition. On page 2 you will find short articles on suitable soils, and preparing hotbeds and coldframes which we know will be of help to those who are without experience in gardening, and those who are more experienced will perhaps find some new methods which will be helpful.

## ARTICHOKE

*German, Artischoke. Italian, Articocea.*

*One-half ounce enough for 100 feet of row.*

**Large Green Globe.** Perennial large flowering heads, cooked like asparagus. Matures second year. Not hardy in the North. Pkt. 10c.

## ASPARAGUS

*German, Spiegel. Italian, Sparagio.*

*One ounce will produce about 200 plants. 4 to 5 pounds per acre.*

**Culture.**—Sow seed thinly in rows 1 foot apart in April or May and keep free from weeds. Thin to 3 or 4 inches apart. Set one-year plants in Spring in good loam dug 18 inches deep and well enriched with well rotted manure. Use sand or sifted ashes if soil is clay. Make bed 5 feet wide, 3 rows in bed, allowing 18 inches between rows. Set plants 2 feet apart and at least 4 to 6 inches below surface. Cut tops every Fall and burn them, and dress bed with coarse manure. Do not cut closely or roots will die.

**Conover's Colossal.** A large green variety, very tender and good. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Columbian Mammoth White.** Produces large white stalks, very tender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Palmetto.** An early green variety, prolific and very good quality. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

## ASPARAGUS ROOTS

**Colossal.** Two year old. Prices variable.

**Palmetto.** Two year old. Prices variable.

## BEANS

*German, Bohnen. Italian, Fagiuti.*

*One quart to 100 feet of row. 1 to  $1\frac{1}{2}$  bushel per acre in drills.*

**Culture.**—As soon as the ground is warm and danger of frost is past, plant in drills 2 inches deep and 18 inches to 2 feet apart. Drop Beans 3 inches apart and cover not more than 2 inches. Sow every two weeks up to August 1st for succession.

### DWARF BUSH, or SNAP GREEN PODDED

Pkt. 10c., lb. 35c., 2 lbs. 60c.

**Stringless Green Pod Burpee's.** Extra early prolific, pale green, round pods, long and straight, meaty and excellent in flavor.

**Bountiful.** Pods grow to large size, broad and fleshy, tender and fine quality.

**Longfellow.** Long, straight, round, solid green pods. Very early; of good quality, stringless when young.

**Black Valentine.** This variety can be planted earlier than many as it is hardy and stands damp weather. Pods are dark green, long, straight and nearly round.

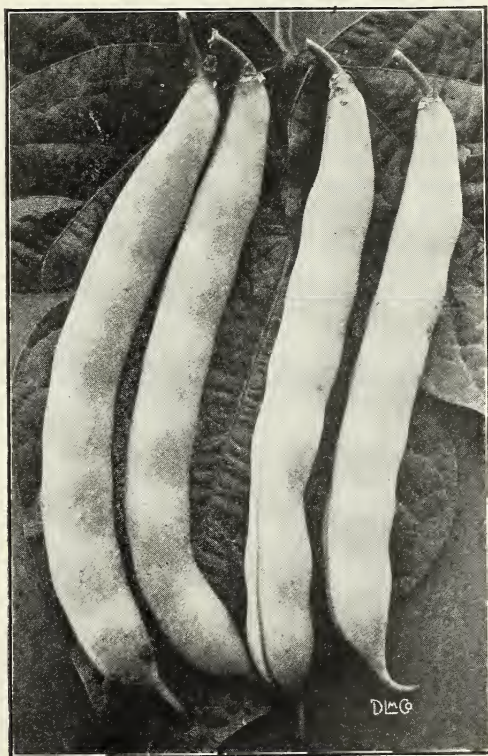
**Red Valentine.** Improved round pod. A very reliable yielder and hardy. One of the best known green pod varieties.

**Refugee, or 1000 to 1.** A late variety with very attractive pods, round and small. One of the best canning sorts.

**Extra Early Refugee.** A good yielder. Pods uniform, round and nearly stringless; a favorite with canners and shippers.

**Long Yellow Six Weeks.** (Flat Pods.) A well known variety mostly grown for market purposes. Early with flat, fleshy pods.

**Giant Stringless.** Matures crop among the earliest of the green podded sorts. Large, handsome pods averaging 6 inches in length and fine quality, round, fleshy and stringless. Excellent for the home garden.



Burpee's Stringless Green Pod Bean

## BEANS—Continued

**DWARF VARIETIES FOR SHELLING**

Large White Marrow.  
Dwarf Horticultural, or Speckled Cranberry.  
Red Kidney.  
Small Pea.

**DWARF WAX BEANS**

Pkt. 10c., lb. 35c., 2 lbs. 60c.

**Hodson Wax.** A late variety producing large quantities of cream white pods of fine quality. Flat and brittle.

**Wardwell's Kidney Wax.** Long flat pods of a delicate waxy yellow, stringless and brittle. Very free from rust and spots.

**Davis' Kidney Wax.** Very reliable and a heavy yielder. Early, vigorous and upright growth. Pods waxy, flat and held well up from the ground.

**Pencil Pod Black Wax.** Slender, long round pods. Medium early.

**Black Wax.** Very early, dwarf in habit. Pods round, attractive color and crisp and tender.

**Improved Golden Wax.** Rust-proof. Medium early, heavy cropper, bushy growth. Pods long, nearly straight, broad, flat and yellow. Have an exquisite butter flavor. Excellent for home garden.

**POLE BEANS**

Pkt. 10c., lb. 35c., 2 lbs. 60c.

Set poles about 4 feet apart each way and plant 4 to 6 beans, eye down, around each pole. Thin to three plants to each pole. Pinch ends when plants reach top of pole.

*One pound will plant 75 to 100 hills.*

**Kentucky Wonder, or Old Homestead.** One of the best green podded sorts. Pods are 6 to 8 inches long, borne in clusters almost round and curved. Well adapted for home garden. The dry beans are long, oval and dun colored. An early and very prolific variety.

**Scarlet Runner.** Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. Pods are green. When ripe the dry beans are bright scarlet blotched with purple. Used largely as an ornamental vine.

**Golden Cluster Wax.** Long, thick, broad pods borne in clusters. Extra strong and prolific. Rich golden yellow, stringless and excellent flavor.

**Burger's Stringless Green Pod.** Sometimes called "White Seeded Kentucky Wonder." Pods average 6 to 8 inches long, straight, rich dark green, and so meaty as to be called saddle-backed. Pods are stringless, beans pure white.

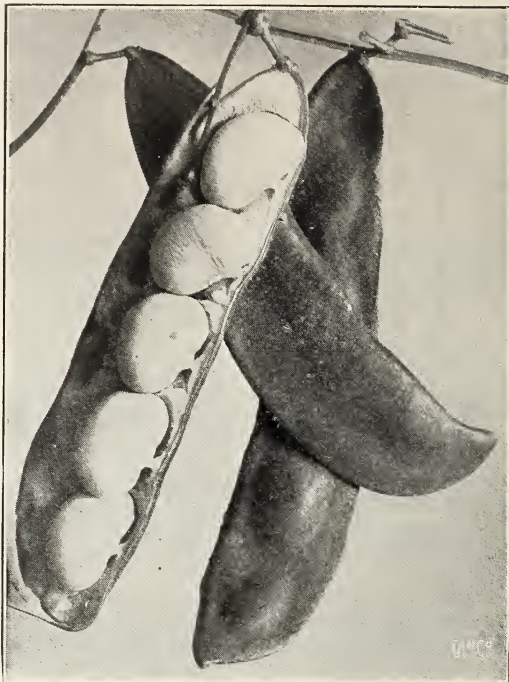
**DWARF LIMA BEANS**

*Culture.*—Plant as soon as warm weather has set in. Soil should be light and rich. Sow in drills 2 feet apart, and 6 inches apart in row, covering about 2 inches, eyes down. Two pounds to 100 feet of drill. Mulching keeps pods from touching the ground.

Pkt. 10c., lb. 40c., 2 lbs. 75c.

**Burpee's Bush Lima.** A bush form of the large, flat Lima, 18 to 20 inches high, stout and erect, yet branches vigorously. An immense yielder.

**Henderson's Bush Lima, or Dwarf Sieva.** This is a small podded or early variety of Lima. The pods and beans are of good flavor, but small.



**Burpee's Bush Lima Bean**

**POLE LIMA BEANS**

*Culture.*—Sow when soil becomes warm and dry, in hills 4 feet apart each way. Two pounds Limas will plant about 100 hills, 4 to 5 beans to a hill. Plant 2 inches deep, eye down. Set poles 8 to 10 feet long in hills before planting.

Pkt. 10c., lb. 40c., 2 lbs. 75c.

**Large White Lima.** An old standard sort, highly esteemed. Fine for canning.

**BROCCOLI**

*German, Spargenhohl*

*Italian, Broccoli*

*One ounce of seed will produce 2,000 plants.*

*Culture and use* same as Cauliflower. Sow seed in January and February, and transplant into cold-frames 2 to 3 inches apart. Set out in open ground early in Spring about 2½ feet apart.

**White Cape.** Large compact heads of creamy white color and of good flavor. Used in same manner as Cauliflower. Pkt. 5c., oz. 30c.

**BRUSSELS SPROUTS**

*German, Rosenkohl.*

*Italian, Cavolo di Brusselles*

*One ounce will sow 200 feet of drill.*

*Culture.*—Highly esteemed for boiling in Fall and Winter. Resemble miniature cabbages, growing closely on the stalk from tip to ground level. Quality and flavor is improved by frost. As Sprouts begin to grow big break off the big leaves near them. Sow thinly, early as soon as ground is fit, in seed bed in rows 1 foot apart, and cover ½ inch deep. Thin to 2 inches apart and transplant in June to at least 1 foot apart and rows 1½ foot apart. Rich loam is best.

**Long Island Improved.** This is the finest strain of Sprouts grown. Pkt. 5c., oz. 25c.



## BEETS

*German, Rübe. Italian, Barbabietta.*

One ounce to 50 feet of drill. 5 to 6 pounds per acre.

**Culture.**—Sow as early in Spring as ground can be worked and every two weeks after for succession, up to first of July. Soil should be light loam well enriched with rotted stable manure or sheep fertilizer, and worked fine. Drills should be 12 to 14 inches apart and seed covered lightly. Thin plants to 4 to 6 inches apart. The young plants make excellent greens.

**Crosby's Egyptian.** Used by market gardeners for forcing and early out of door planting. This Beet is perfect in shape, very dark red. Equally good for early bunching as well as for Fall market. Pkt. 5c., oz. 15c.

**Crimson Globe.** A handsome shaped Beet, little deeper than round, with smooth surface and small tap root. Flesh is deep crimson, ringed and zoned. Good for early bunching as well as for main crop. Pkt. 5c., oz. 15c.

**Eclipse.** Not an early sort but if sown late is excellent for Winter use. It is of rapid growth, globe-shaped, and bright crimson color. A very popular sort. Pkt. 5c., oz. 15c.

**Improved Long Dark Blood.** Flesh dark red with lighter shade zones. Sweet and tender. Pkt. 5c., oz. 15c.

**Detroit Dark Red.** A medium early globe-shaped Beet of excellent quality. Has a fine dark red color which extends throughout the entire Beet and without the lighter rings or zones seen in some other varieties. Smooth and handsome. Pkt. 5c., oz. 15c.

## SWISS CHARD, or SPINACH

*German, Beisskohl. Italian, Bieta.*

One ounce will sow 100 feet of drill.

**Culture.**—Also called Sea Kale. The midrib is cooked and served like asparagus. The other portions are used like spinach. This Beet does not make a large root, but the top makes nice Summer greens. Cut down to the ground, new shoots will spring up and make fast growth. We recommend the Lucullus where the midrib is to be used. Sow seed one inch deep.

**Giant Lucullus.** Pkt. 5c., oz. 15c.

**Silver.** Produces large light colored leaves in great abundance and has a mild flavor. Pkt. 5c., oz. 15c.

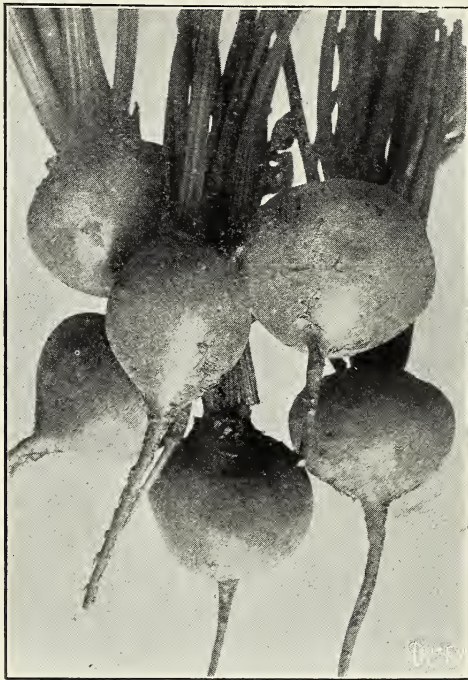
## MANGEL WURZELS, or CATTLE BEETS

One ounce to 50 feet of drill.

Used for feeding stock. Sow 6 pounds to the acre in rows 3 feet apart in May or June and thin to 9 inches. Cultivate with horse.

**Mammoth Long Red.** On good soil sometimes grows 18 inches long. Skin bright, dark red; flesh white with rings of rose-pink. Good keeper, nutritious and milk producing. Pkt. 5c., oz. 10c.

**Golden Tankard.** A yellow fleshed variety highly prized by dairymen for milk producing qualities. Pkt. 5c., oz. 10c.



Crimson Globe Beet

## SUGAR BEETS

**Culture.**—Sow same as Mangels except thin to 6 to 8 inches in the row. Mature in about 100 days.

**Klein Wanzleben.** White flesh. Contains much sugar. Pkt. 5c., oz. 10c.

**Eiffel Tower.** Long, red and sweet. A fine sugar Beet and also for stock feeding. Pkt. 5c., oz. 10c.

**Gate Post.** One of the finest yellow Mangels. Unequalled for the dairy, being nutritive and unexcelled for milk cows. Pkt. 5c., oz. 10c.

**Jumbo.** Finest of its class, long red fleshed, not coarse grained even when large. Many weigh 50 pounds. A most excellent Winter food for cattle and sheep. Pkt. 5c., oz. 10c.

## BORECOLE, or KALE

*German, Blätterkohl. Italian, Carvolo Verde*  
One ounce to 300 feet of row. 4 pounds to an acre.

A popular boiling green for Fall, Winter and early Spring use. Hardy in well drained soil, and can be easily grown from seed, sown during the Summer months. Plants are usually cut off when leaves are 6 inches or more, but with the fine curled varieties the leaves can be gathered when of good size. With the tall Scotch, the lower leaves are pulled off and plant allowed to grow a further supply. Improved by freezing weather. Protect by mulch during Winter. Cultivation same as cabbage.

**Dwarf German.** Leaves bright green and beautifully curled. Pkt. 5c., oz. 20c.

**Green Curled Scotch.** Grows about 2 feet high. Pkt. 5c., oz. 20c.

**Siberian Dwarf.** Extremely hardy, broad leaves. Pkt. 5c., oz. 15c.



## CABBAGE

*German, Kopfkohlkraut. Italian, Cavolo Cappuccio*  
One ounce for 2,000 to 2,500 plants. 6 ounces per acre.

**Culture.**—For early varieties sow in February, in hotbed or under glass, and prick out into flats or frames 2 inches apart each way. Transplant to open ground as soon as it can be prepared, 20 to 24 inches apart, and rows at least 2 feet apart. Use Mag-o-tite for root maggot and Slug Shot for Cabbage worms. A little nitrate of soda around each plant is helpful. For late Cabbage sow in open ground in May, in drills and transplant in June and July, giving more room than for early Cabbage. Clean cultivation is necessary to keep down weeds and conserve moisture. Good rich soil is of course necessary for quick growth and large heads. In small gardens sheep manure and Bowker's Vegetable Fertilizer can be used to an advantage, in the row when planting.

### EARLY SORTS

**Copenhagen Market.** Very heavy and solid, like the "Ballhead" type, making a large globe-shaped head, but *maturing much earlier* than the Danish varieties. In fact, as early as Early Jersey Wakefield, and giving a much heavier yield. It is short stemmed and the leaves closely folded. Pkt. 10c., oz. 40c.

**Glory of Enkhuizen.** A very fine Cabbage. Medium size, makes a ball-shaped head, very firm and of good keeping qualities. About two weeks later than Copenhagen. A good Cabbage and also valuable as a second early for market purposes. Pkt. 10c., oz. 40c.

**All Head Early.** Heads flat, deep and solid; valuable also for late. Seed sown in July and set in August will make fine heads. Largely planted by market gardeners. Pkt. 10c., oz. 30c.

**Early Jersey Wakefield.** A quick growing early variety, grown more largely than any other early variety. Splendid for the market gardener and private use. Medium size, pyramidal in shape, with pointed peak. Winters well. Our strain of seed is superior in quality. Pkt. 10c., oz. 30c.

### SECOND EARLY, or MAIN CROP

**All Seasons.** A splendid main crop variety, much grown by market gardeners. Is also an excellent variety for home use. Stands hot sun and dry weather remarkably well. Solid, flat, round heads of large size. Pkt. 10c., oz. 30c.

**Winnigstadt.** An old and famous type of early and second early Cabbage. Makes a large conical head, color bright glossy green. A vigorous grower, thriving under unfavorable conditions. Pkt. 10c., oz. 30c.

### LATE VARIETIES

**Danish Ball Head.** Remarkable for the solidity of its heads and its long keeping qualities. Exceedingly fine grained, tender, crisp, solid and no waste. Few outer leaves. Commands a higher price in the market than any other variety. Seed imported direct from Denmark. Pkt. 10c., oz. 35c.

**Danish Short Stem.** Ready for market about 10 days earlier than Ballhead. Heads medium size, light in color. Outer leaves set very close, producing more weight per acre. Seed imported direct from Denmark. Pkt. 10c., oz. 35c.

**Selected Late Flat Dutch.** Remarkably hardy, a sure header, uniform in shape, size and color. Large size. Grown very extensively for a late crop. Pkt. 10c., oz. 30c.

**Large Late Drumhead.** Heads are of large size and have few outer leaves. Very hardy. A desirable Fall and Winter variety and a good shipper. Pkt. 10c., oz. 30c.

### RED CABBAGE

**Mammoth Red Rock.** The best, largest and hardest heading red Cabbage in cultivation. Heads are round, of deep red color, and weigh 10 to 12 pounds. Rapid grower. Pkt. 10c., oz. 35c.

### SAVOY CABBAGE

**Drumhead Savoy.** The best of its class for home use and market. Solid headed and has the rich flavor of Cauliflower. Heads large, solid and compact. Pkt. 10c., oz. 30c.

### CHINESE, or CELERY CABBAGE

Called Pe-Tsai by the Chinese who are the originators of this wonderful cross between a cabbage and garden celery. The flavor is delicious whether used raw, cut fine, and eaten as a salad, or cooked as cabbage. It does not form a head like cabbage, but when full grown resembles the Cos Lettuce. It is odorless while being cooked and mild in flavor. If you have never planted this vegetable it will pay you to try it this season. Sow seed after July 1st and give plants plenty of room in the rows 3 feet apart. Heads up on approach of cold weather. Pkt. 10c., oz. 30c.

### CABBAGE PLANTS

As we grow our Cabbage plants at our own greenhouses at Eggertsville, we can furnish early plants in many varieties in flats, thoroughly hardened off and ready for planting out. Also late varieties grown in coldframes, bunched in 100 and 1000 lots. Prices upon application.



## CAULIFLOWER

*German, Blumenkohl. Italian, Cavodofiore.*  
One ounce of seed will produce about 3000 plants.

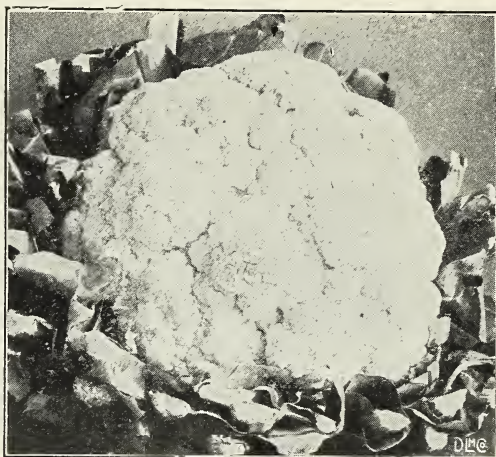
**Culture.**—For earliest Cauliflower, sow seed in hotbed or greenhouse during February or early March, and transplant to flats or coldframes 2 or 3 inches apart each way. Set in open ground in the Spring as soon as it is in condition. Soil should be warm, rich and well supplied with Humus and moisture. Light dressings of Nitrate of Soda is of much help. Set plants 2 to 2½ feet apart each way. When heads are formed and hard blanch by drawing the leaves together and tying with raffia or strips of soft cloth. For late Cauliflower for pickling, start plants in open ground like late Cabbage and handle like that crop.

**Extra Early Dwarf Erfurt.** Best for forcing. Good for open ground. Dwarf and very solid, with short outside leaves. Can be planted 20 inches apart each way. Almost as early as Snowball. Our strain of seed is very choice. Pkt. 20c., oz. \$2.00.

**Early Snowball.** For main crop and for every purpose, except for first early or for culture under glass, we recommend this variety as being of the highest quality and a reliable sure cropping strain. Pkt. 20c., oz. \$3.00.

**Extra Early Paris.** An old variety and still much used by gardeners. Pkt. 20c., oz. 75c.

**Veitch's Autumn Giant.** A large late variety, producing large compact white heads. In this locality the earliest varieties are the most used. Pkt. 20c., oz. 75c.



[Early Snowball Cauliflower]

## CARROT

*German, Carotten Mohren. Italian, Carota.*  
One ounce will sow 100 feet of drill. 3 to 4 pounds per acre.

**Culture.**—Carrots do best in rather light and fairly fertile soil, deeply plowed and warm. For early crop sow seed of the early short rooted varieties early, in drills 15 inches apart, covering ½ inch deep. Press soil firmly as the seed is slow to germinate. Thin to 3 or 4 inches apart. If plants are too close together a small inferior crop will result. Sow later, in June or even in July, for main crop, using the longer varieties.

**Chatenay.** Deep red flesh, fine grained and sugary. Early, grows about 6 inches long; stump rooted and smooth. One of the best for home use or market garden. Pkt. 5c., oz. 15c.

**Oxheart, or Guerande.** Intermediate between the half long varieties. About 4 to 5 inches long and very thick. Flesh is orange color and sweet. Will grow on soils too stiff for the longer varieties. While most valuable for stock feeding it is also good for table purposes while young. Pkt. 5c., oz. 15c.

**Early Scarlet Short Horn.** May be planted very early and is an excellent Summer variety. This variety is best when young and should be used before it has made full growth. Is short and nearly round, and good for shallow soil. Fine for forcing and early home use. Flesh is deep orange color and excellent flavor. Pkt. 5c., oz. 15c.

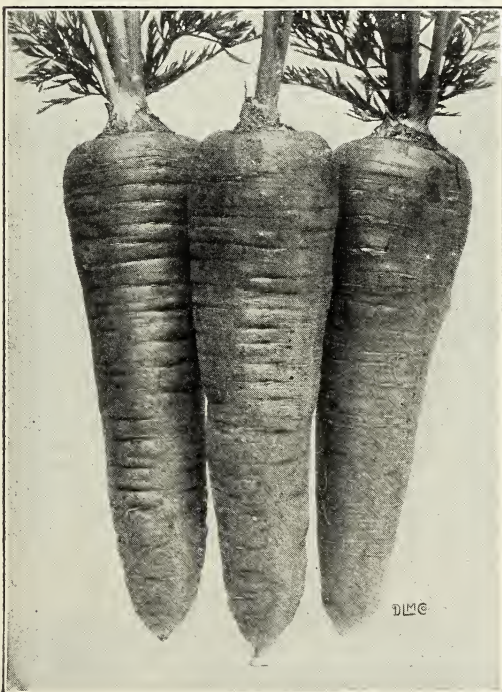
**Danvers Half Long.** Grown more extensively than any other variety. Color is a rich orange-red, smooth and handsome. Roots taper to a blunt point; flesh sweet, crisp and tender. Fine for the amateur gardener as well as the market grower. Pkt. 5c., oz. 15c.

### CARROTS FOR STOCK FEEDING

*Sow 4 pounds to the acre.*

**Large White Belgian.** The roots grow partly above ground and are thick, yielding a heavy crop. Harvest before frost. Used only for stock feeding. Pkt. 5c., oz. 15c.

**Large Yellow Belgian.** Same as White Belgian except that the flesh is yellow. Used for stock feeding only, as the flesh is rather coarse. Pkt. 5c., oz. 15c.



Danvers Half Long Carrot





Golden Self-Branching Celery

## CELERY

*German, Sellerie. Italian, Sedano.*

One ounce of Celery Seed will produce 3,000 to 5,000 plants. One package for 100 feet of row.

**Culture.**—For early Celery sow the self-blanching sorts in flats under glass early in March and transplant into other flats or into coldframes. Set out in May or June in rich soil, 6 inches apart, in the rows, and rows 3 to 4 feet apart. Keep free from weeds by thorough cultivation, and blanch when well grown by boards set up against the rows. For late Celery sow seed later in flats or in the open ground. Cover all seed lightly and press soil firmly. Celery seed germinates slowly. Make rows for late Celery 4 to 5 feet apart. Blanch by earthing up gradually. To store for Winter, dig plants with roots and pack in dark cellar on wet soil.

**Columbia.** An exceptionally fine early variety. Medium size and stocky, foliage light green with yellow tinge. Stalks thick and almost round. Blanch easily. Fine flavor and crisp. Pkt. 10c., oz. 25c.

**Golden Self-Blanching.** Considered by most growers as the best Celery in cultivation and most satisfactory for family and market use. Handsome in appearance, the heart being large, solid, golden yellow in color and of delicious flavor. Will turn yellowish white when matured without banking, but is improved by covering the stalks with soil. Pkt. 10c., oz. 25c.

**White Plume.** The inner leaves and heart of this variety are naturally white, so that blanching is easily completed by drawing the soil around the plant. Crisp, tender and very early and will not keep late. Pkt. 10c., oz. 25c.

**Giant Golden Heart.** Large size, crisp and fine flavor, beautiful color. One of the best for home or market. Pkt. 10c., oz. 20c.

**Giant Pascal.** Solid, thick cream-colored stalks, handsome in appearance and entirely stringless. A late Celery and keeps in fine condition to January and February. A good shipping variety, free from rust or rot. Pkt. 10c., oz. 25c.

**Winter Queen.** Grows thick, solid stalks and a large heart. A creamy white when blanched, and quality and flavor is good. An excellent Winter Celery. Pkt. 10c., oz. 20c.

**Soup, or Flavoring Celery.** Not for planting purposes, but used for flavoring only. Oz. 10c.

## CELERIAC, or TURNIP ROOTED CELERY

*German, Knoll-Sellerie. Italian, Sedano rapa.*

One package is enough for 100 feet of row.

**Culture.**—Seed is started and plants set in same way as Celery. Grown for its bulbous roots. A very fine vegetable and has a fine flavor when boiled.

**Large Smooth Prague.** A very large and smooth rooted variety. An excellent keeper. Pkt. 5c., oz. 25c.

## CHERVIL

*German, Kerbel. Italian, Cerfoglio.*

One package is enough for 100 feet of row.

**Culture.**—Used for flavoring and garnishing and is more beautiful than Parsley. Sow in early Spring in rich soil, and transplant to 1 foot apart when plants are large enough to handle.

**Curled.** Pkt. 5c., oz. 25c.

## CHICORY, or FRENCH ENDIVE

*German, Chicorienwurz. Italian, Cicoria selvatica.*

**Culture.**—Sow in June in open ground in drills 10 to 12 inches apart in deep soil. Allow plants to grow until November. Then take up roots and trim off leaves to about 2 inches from neck, and break off side shoots, and shorten lower end to a length of 8 to 10 inches. Plant roots in deep boxes in cellar, covering tops 8 inches deep with soil. On top of this place manure to draw the leaves which will grow to proper size in about 4 weeks. This blanched head or leafstalk is the edible portion. It is eaten raw as a salad. A portion of the crop may be planted as above, holding balance in cool cellar and successive plantings made.

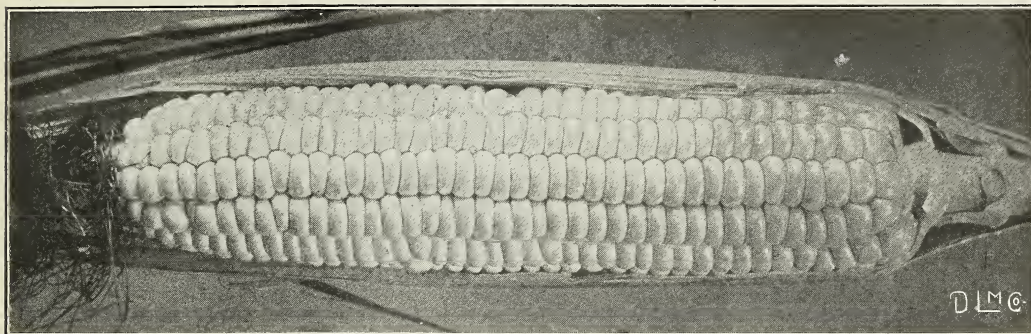
**Whitloof Chicory.** Pkt. 10c., oz. 30c.

## CHIVES

*German, Schnittlauch. Italian, Civaie.*

Seed may be sown same as Onion in clumps instead of rows. It is entirely hardy. The green tops which appear in early Spring are used wherever the flavor of Onions is desired. Pkt. 10c., oz. 50c.





Early Evergreen Corn

## CORN, Sweet, or Sugar

*German, Mais. Italian, Mais.*

*One pound will sow 100 hills or 150 to 200 feet of row.*

*One peck to an acre in hills.*

**Culture.**—The seed of sweet Corn is liable to rot if planted while ground is cold and wet. Plant in hills 3 feet apart, covering  $\frac{1}{2}$  inch deep and thin out to 3 plants to a hill or plant in rows 4 feet apart, 12 inches apart in row. For succession sow every two weeks up to July 15th.

All varieties. Pkt. 10c., lb. 35c.

**Golden Bantam.** The most deliciously sweet and tender Corn. Small yellow ears, very early. We place this at the head of our Sweet Corn list as we consider it the ideal Corn for the home garden. No family garden should be without a plot of this excellent corn.

**Kendal's Early Giant.** Ears are about 7 inches long with pure white grains, very tender and sweet, a favorite with the market gardeners.

**Early Evergreen.** This variety is similar to Stowell's Evergreen but it is ready much earlier and remains in good condition for a long time. This is the most popular white sweet Corn.

**Crosby's Early.** A high quality second early, very popular in some sections. Ears about 6 inches long, 14-rowed, very white, sweet and tender.

**Black Mexican.** This corn is well remembered by its delicious sweetness and fine qualities. Ears 8- to 10-rowed, about 8 inches long. Kernels bluish purple to black. A great home garden favorite.

**Country Gentleman.** A very popular variety with ears of large size, with deep grains in irregular rows on the cob. Very sweet, milky and tender. A fine late variety. Remains ready for use a long time. Excellent for canning.

**Howling Mob.** An early Corn of large size, white and sweet. May be planted very early and is very productive.

## POP CORN

**White Rice.** Makes a large, white, fluffy popped kernel. Pkt. 10c., lb. 35c.

**Golden Queen.** A splendid variety; kernel when popped is creamy in color and very attractive. Pkt. 10c., lb. 35c.

## CORN SALAD

*German, Feldsalat. Italian, Valeriana.*

*One ounce will sow about 100 feet of drill.*

**Culture.**—Sow in Spring in drills  $\frac{1}{4}$  inch deep and 1 foot apart. Thin to 3 inches apart in row. For Winter use sow in August or early September. Soil should be light and warm and previously manured. Just before Winter cover thinly with leaves or straw. Pick leaves when half as large as Lettuce.

**Broad Leaved, or Large Seeded.** Pkt. 5c., oz. 15c.

## CRESS, or PEPPER GRASS

*German, Garten-Kresse. Italian, Agretto*

*One ounce will sow 50 to 100 feet of drill.*

**Culture.**—Sow the *curled variety* in early Spring thickly in shallow drills  $\frac{1}{4}$  inch deep and a foot apart every two or three weeks until warm weather, in cool, moist garden soil. Sow again in late August for Fall use. Cut often and it will continue to grow. Used as a salad; also for garnishing. **Water Cress** is sown on the banks of a sunny stream as it delights in cool, moist ground and clear water. Upland Cress is a perennial and is ready to use early in the Spring. Has the flavor of Water Cress.

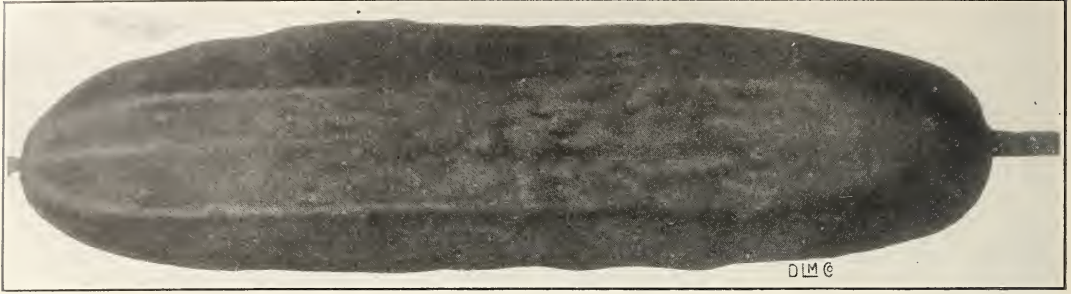
**Double Curled.** Pkt. 5c., oz. 15c.

**Water Cress.** Pkt. 10c., oz. 25c.

**Upland Cress.** Pkt. 5c., oz. 20c.



Corn Salad



## CUCUMBER

*German, Gurken. Italian, Cetriolo.*

One ounce will sow 60 to 70 hills. Two pounds to the acre.

**Culture.**—For very early Cucumbers sow seed about April 1st in hotbed, on sods, grass side down, so as to transplant readily to open ground when danger of frost is past. For general crop sow in the open ground, when the weather is warm and settled. Sow seed about  $\frac{3}{4}$  inch deep in hills, 4 to 6 feet apart, and thin to 3 or 4 of the strongest plants. Pick as soon as large enough to use. Use well rotted manure in the hills. For pickles sow about July 1st. For wilting and mildew spray well with Bordeaux. For beetles and other insects dust with Slugshot or use a combined Bordeaux and Arsenate Lead spray, such as Pyrox.

**Davis' Perfect.** Fine for forcing or for out of doors. The fruit is long and straight, and fine for slicing as it has few seeds. Pkt. 5c., oz. 15c.

**Evergreen White Spine.** An extra long, dark green Cucumber. Fine for slicing and an excellent variety for shipping. Pkt. 5c., oz. 15c.

**Improved Long Green.** Long and crisp; a popular variety for pickling. Pkt. 5c., oz. 15c.

**Chicago Pickling.** Known the country over as a very valuable pickling variety. Fruit is a fine, dark green color, and tapers at both ends. Pkt. 5c., oz. 15c.

**Klondike.** A fine variety for slicing. Color is a rich dark green; grows to a uniform size, measuring about 7 inches long and 2 inches thick. Pkt. 5c., oz. 15c.

**Early Frame, or Short Green.** Very productive. Good for pickling. Pkt. 5c., oz. 15c.

**Extra Early Green Prolific.** One of the best pickling varieties. Color is dark green. Fruit is small. Pkt. 5c., oz. 15c.

**Small Gherkin, or Burr.** Small, prickly fruit. Used for small pickles. Pkt. 5c., oz. 20c.

**Japanese Climbing.** Can be trained on fences or trellises. Produces good fruit for slicing or pickling. Pkt. 5c., oz. 20c.

**Telegraph for Forcing.** Suitable only for growing in frames or greenhouses. Also called Duke of Edinburgh. Sow in October, November or December, according to time wanted, in small pots filled with fibrous loam, enriched with rotted manure. Plunge pots in a frame near the glass with bottom heat. Cover with brown paper until seeds germinate and then uncover to make plants sturdy. Blossoms must be hand fertilized as they will not produce a crop otherwise, owing to absence of flies and bees. Pkt. 20c.

## EGG PLANT

*German, Eierpflanze. Italian, Petronciano.*

One ounce will produce about 2000 plants.

**Culture.**—Sow in hotbeds early in Spring and transplant to pots when 2 inches high, or thin to about 4 inches apart. Do not plant out until weather is warm and settled, as cool nights and wet weather is apt to check growth. Set out plants 2 to 3 feet apart. Fertilize after setting with Nitrate of Soda or liquid manure.

**New York Improved Purple.** This variety is a general favorite. Plants are large and spreading, foliage light green; fruits very large, oval and a splendid dark purple. Plants usually have 4 to 8 fruits. Pkt. 10c., oz. 40c.

**Black Beauty.** As large as New York Improved, but about 10 days earlier. Fruits a dark, rich purplish black. Pkt. 10c., oz. 40c.

## ENDIVE

*German, Endivien. Italian, Endiva.*

One ounce will sow 100 feet of drill.

**Culture.**—Sow in June, July or August in good, rich garden soil. Cover lightly. When up, thin to 8 to 10 inches apart and water well if dry. May also be sown under glass in March or April, transplanted and hardened off and then set out as ground is fit. When leaves are 6 to 8 inches long, blanch by tying up with yarn or raffia. (Leaves must be dry or will rot.) At approach of Winter dig with ball of earth attached and pack closely together in frame or cellar. Keep dry and allow plenty of air. Tie tops together to blanch the heart.

**Green Moss Curled.** Very crisp, tender and of good flavor. It requires protection from cold as it is less hardy. Pkt. 5c., oz. 15c.

**Broad Leaved Batavian.** Has thick, slightly wrinkled leaves. Usually grown for use in soups and stews. Pkt. 5c., oz. 15c.

**HORSE RADISH** see Roots

**KALE,** see Borecole

ALL OUR SEEDS ARE TESTED BY US  
IN THE NEW IMPROVED ELECTRIC  
SEED TESTER.



## KOHL-RABI (Turnip-Rooted Cabbage)

*German, Knollkohl. Italian, Cavolo-rapa.*

*One ounce will sow 200 feet of drill.*

*Culture.*—Sow in Spring about 1 inch deep in rows 18 inches apart. Thin plants to 8 to 10 inches apart. If weather is suitable, the thinnings may be transplanted but is usually considered difficult to transplant. Do not cover the thick stem or knob. When the thickened stems above ground are 2 to 3 inches through, they are fit to eat and should be used at once, being tough when old. Cook same as turnips.

**Early, White Vienna.** Early, small white bulb. Best for table use. Pkt. 5c., oz. 25c.

**Early Purple Vienna.** A little later than the white. Bulb is purple. Pkt. 5c., oz. 25c.

## LEEK

*German, Porree Lauch. Italian, Porro.*

*One ounce will sow 150 feet of drill.*

*Culture.*—Sow early in April in drills 1 inch deep and 1 foot apart. When plants are 6 to 8 inches high transplant in deep, rich soil, in rows 12 inches apart so that the neck may be blanched. Draw the earth around them as they grow. May also be sown in September and wintered in frames and young plants transplanted in the Spring.

**London Flag.** This is the variety usually grown by market gardeners. It is of excellent quality. Pkt. 5c., oz. 20c.

## LETTUCE

*German, Lattich Kopfsalat. Italian, Lattuga.*

*One ounce will produce about 1000 plants.*

*Culture.*—There are two distinct varieties or classes of Lettuce. One forms a head like Cabbage; the other produces compact heads of loose leaves. The loose-leaved is easiest to grow. All are of good flavor, crisp and tender. Lettuce requires good ground, well fertilized with rotted manure and well pulverized. Lettuce seldom heads well in hot weather. Sow seed in hotbeds or in flats, early. Transplant to flats or coldframes and set out as soon as ground is fit in rows 1 foot apart, allowing 8 to 12 inches apart in rows. For succession sow thinly in open ground and thin or transplant as above.

*All varieties. Pkt. 5c., oz. 15c.*

## CURLED, or LOOSE HEAD VARIETIES

**Grand Rapids.** A splendid forcing variety of upright growth. Produces a mass of beautifully frilled leaves of fine quality in a short time. A good table Lettuce and a good shipper as well. A desirable variety for growing in the home garden.

**Black-Seeded Simpson.** One of the best known and probably the most largely planted of any Lettuce. It is early and hardy and a favorite with market gardeners for planting either out of doors or under glass. Leaves are large, light green, quite crinkled. Compact, but do not form a distinct head. Stands Summer heat better than most varieties.

**Prizehead.** Well known, loose heading variety, quite distinct on account of the peculiar color of leaves; light green, shading to reddish brown, also crimped at the border. Tender and sweet.

**Early Curled Simpson (Silesian).** Very crisp; strictly a bunching Lettuce. Plant is spreading, covering a rounded, well-blanching, dense cluster of leaves. Color very light green. Very sweet flavor.

## CABBAGE, or HEADING VARIETIES

**Black Seeded Butter.** This is a Cabbage heading variety with a decided buttery flavor. Large and medium early. Leaves broad, crumpled and twisted. Color light brown. Quality excellent.

**Tennis Ball, White Seeded.** It is a strictly Cabbage heading variety, small to medium in size. Matures very early and is of a decidedly buttery flavor. Leaves broad, crumpled and slightly twisted. Quality excellent. Fine for forcing under glass.

**Big Boston.** A large heading variety, medium to late. Leaves broad, mostly smooth, some slightly blistered and crumpled, light green with narrow light brown border. Head broad, slightly pointed and hard. Fine for forcing under glass.

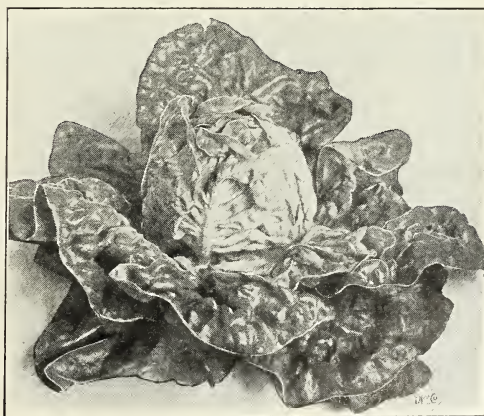
**Hanson's Improved.** A crisp, heading variety, very large and late. Head round, hard and well blanching. Leaves broad, crumpled and twisted. Color very light green.

**Iceberg.** Crisp rather than buttery, large and late. Head is round, hard and well blanching. Leaves are slightly blistered, crumpled and twisted. Color, light green, except faint brown borders. Fine quality.

**All Seasons.** An excellent variety for the home garden. Leaves very light color, nearly smooth, overlapping each other, blanching the inner ones. Tender and sweet.

**May King.** Can be planted very early in the Spring. Matures quickly, forming large heads, the inner leaves light yellow and outer ones tinged with brown.

**Trianon Cos, or Romaine.** Differs from ordinary Lettuce by the shape of the leaves which are long, spoon-shaped and crisp. Sow seed early in Spring and transplant to about 6 inches apart. When plants are of sufficient size draw leaves together and tie, to blanch the inner ones.



Lettuce



## MUSKMELON

*German, Melone. Italian, Popone.*

One ounce of seed for 60 hills. 2 to 3 pounds per acre.

**Culture.**—Prepare hills 4 to 6 feet apart in rich, moderately dry soil, and mix thoroughly with well rotted manure. When ground is warm plant 6 to 8 seeds, 1 inch deep in each hill. Thin out to 3 or 4 plants. Pinch vines when blossoming begins to increase fruitfulness. Cultivate until vines cover ground. Dust with Slug Shot to kill insect pests or spray with Pyrox to prevent blight and insect attacks.

All varieties. Pkt. 5c., oz. 15c.

## GREEN FLESHED VARIETIES

**Extra Early Hackensack.** An early strain of the well known large Hackensack. Very popular with the market gardeners. Fruit is good size, round and heavily netted. Flesh green, very sweet and good flavor.

**Rocky Ford.** Vines are productive and melons mature early, making it very desirable both for home garden and for shipping. Fruit is round and heavily netted. Flesh is thick and seed cavity is very small. Flavor is delicious, sweet and juicy.

**Honey Dew, or Banana.** Fruit is good size, weighing 6 to 8 pounds. Skin is light cream color and smooth. Flesh is thick, rich and sweet, and light green in color. Skin is thin but tough. Keeps in good condition for a long time after it is ripe.

## ORANGE, or SALMON FLESHED

**Osage.** Coconut-shaped, reddish flesh, light green netted skin. Very sweet and delicious flavor. Well known and in good demand.

**Emerald Gem.** Medium size and nearly round. Smooth, dark green skin, salmon colored flesh. One of the best for home use.

**Hoodoo.** A fairly new melon of excellent quality. The delicate flavor of the thick red flesh of this melon should commend it to every home gardener.

**Tip Top.** A hardy, vigorous growing variety of fine quality. Of value to the market gardener or private owner. Medium size, yellow flesh, juicy and sweet.

## WATERMELON

*German, Wasser-Melone. Italian, Melone d'Aqua*

One ounce for 30 hills. 4 to 5 pounds per acre.

**Culture.**—To raise good Watermelons it is necessary that the plants have a good start. Prepare hills as for Muskmelons, working into the soil plenty of well rotted manure, hen, sheep, or other form, rich in nitrogen. A small amount of chemical fertilizer such as Bowker's, will also hasten growth. Plant same as Muskmelons, thinning to 3 of the strongest plants to a hill. The best protection against blight is to keep the plants growing vigorously. Use Slug Shot against attacks of the striped beetle. As plants are easily hurt by strong spray mixtures, caution should be observed in their use.

All varietie . Pkt. 5c., oz. 15c.

**Kleckley Sweets, or Monte Cristo.** A most desirable variety for home use or local markets. Will not stand shipping as skin is thin. The fruit is very large, with dark green skin somewhat mottled, and thin rind which is very brittle. Flesh is bright scarlet with solid heart.

**Phinney's Early.** A hardy, robust growing variety, oblong in shape. Rind is light and dark green mottled. Flesh is pink and of excellent quality.

**Kolb's Gem.** A melon of delicious, sugary flavor, flesh bright red. Oval shape and medium early. Large and a good shipper.

**Citron.** Used for pickles and preserving.

## MUSHROOMS

Mushrooms are much enjoyed as a table luxury. Beds may be made in a shed, cellar, or under greenhouse benches. Where cellar room is available there is not a better place to grow Mushrooms. The cool, moist temperature is especially suited for their growth.

Procure fresh horse droppings and add  $\frac{1}{2}$  in bulk of fresh loam from pasture or sod land. Mix and turn over daily so that too much heat is not developed. Keep under cover to prevent being rained upon. Spread the mixture in box or bed to the depth of 8 inches and pack firmly. Insert a thermometer. When heat declines to 80° or 90°, the bed is ready for planting. Make holes 3 or 4 inches deep with a sharp stick or dibble all over the bed 12 inches apart each way, and put into holes pieces of the spawn 2 or 3 inches in diameter, fill holes with the compost, allow bed to stand 10 or 12 days when the spawn will have run through it. Then cover with loam about 2 inches deep and pack firmly and cover all with 3 or 4 inches of straw or hay. Temperature of cellar should be 55° to 60°. If surface of bed appears dry, sprinkle with water of a temperature of 100°. Spawn planted in August should give a crop in December. September plantings will bear in January and February. After bearing 3 or 4 weeks again top dress with more soil and a second crop will appear in March and April. One brick of spawn is sufficient for a bed 2x6 feet. We offer genuine English Milltrack Mushroom Spawn. Per brick 25c.



## MUSTARD FOR SALADS AND GREENS

*German, Semf. Italian, Senapa.*

*One package sufficient for 100 feet of row.*

**Culture.**—Sow thickly in shallow drills 12 inches apart early in Spring and press the earth down well. For Fall salad, sow in September, or in frames or boxes during the Winter. Successive plantings may be made every two or three weeks. Do not allow to seed. Used same as Cress; as a salad.

**Black or Brown.** Leaves oblong, broad and cut. Seeds are the ordinary mustard of commerce. Pkt. 5c., oz. 10c.

**Southern Giant Curled.** Leaves much crumpled at the edges and very large. Pkt. 5c., oz. 10c.

## NASTURTIUM, OR INDIAN CRESS

The young leaves and shoots are excellent for salads. The green seed pods are used in mixed pickles. Sow early in Spring in rather light soil in rows 3 feet apart, 2 inches apart in rows and cover 1 inch deep. When plants are 2 inches high thin to 6 inches apart in row. The tall varieties should be supported by stakes, strings or brush.

**Tall Mixed.** Pkt. 5c., oz. 15c.

**Dwarf Mixed.** Pkt. 5c., oz. 15c.

## OKRA, or GUMBO

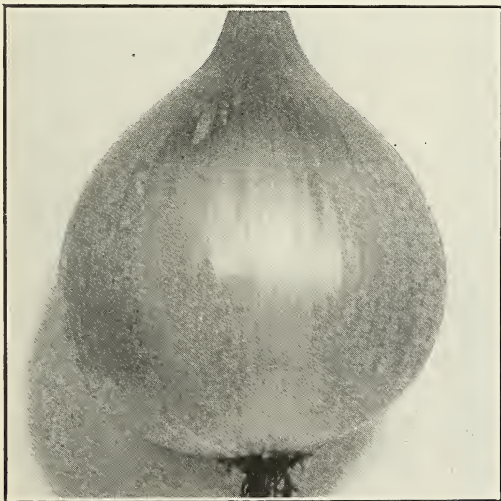
*German, Ocher. Italian, Ocra.*

*Two ounces sufficient for 100 feet of row.*

**Culture.**—Sow late in Spring after the ground has become warm, in drills 3 feet apart, covering 1 inch deep, where the plants are to remain. Thin to 9 to 12 inches apart. The ground should be well manured. Also may be raised in pots or in hotbed and transplanted. The young seed pods are much used in soups, stews and catsup.

**Improved Dwarf.** A distinct not early variety with short pods. Pkt. 5c., oz. 15c.

**Long Green.** An old time favorite, very productive, with long green pods which are of excellent quality. Pkt. 5c., oz. 15c.



Southport Yellow Globe Onion

## ONION SEED

*German, Zwiebel. Italian, Cipollo.*

*One ounce for 100 feet of drill. 4 to 5 pounds per acre.*

**Culture.**—Sow seed as soon as ground can be made ready, about  $\frac{1}{2}$  inch deep. Thin seeding gives larger Onions than thick seeding. As soon as plants can be seen, cultivate lightly with a rake to pulverize the top soil. Thin to 1 inch apart or 3 inches if large Onions are wanted. Soil should be rich. Keep ground well cultivated and hand weeded, as Onions will not do well if weeds are allowed to grow. To sow seed for sets, use good ground and sow thickly in broad drills, using 40 to 60 pounds per acre. Seed for sets may be sown later than if large Onions are wanted. Do not store Onions in large heaps or piles. If they are moist they will heat. Have them perfectly dry and store in shallow crates, well ventilated and in a cool place.

**Southport Yellow Globe.** Large and fine shaped globe Onions of excellent quality. Well known and regarded by Onion growers as one of the best. Pkt. 5c., oz. 20c.

**Yellow Globe Danvers.** A well known standard variety for market purposes and for home use. A heavy yielder and good keeper. Skin silvery yellow, flesh white, mild and excellent flavor. Pkt. 5c., oz. 20c.

**Southport White Globe.** One of the most beautiful round Onions. Large size, fine quality, and commands a good sale. Market gardeners find it an excellent variety for bunching. Pkt. 5c., oz. 20c.

**Southport Red Globe.** Fine globe-shaped, medium size; a good keeper and of superior quality. Pkt. 5c., oz. 20c.

**Ebenezer.** One of the best known varieties, especially in the local market. Splendid globe-shaped, good flavor and considered by most market gardeners as the best Winter Onion. Large, firm and of good flavor. We offer genuine local grown seed which may be depended upon. Pkt. 10c., oz. 30c.

**Prizetaker.** The large size and handsome appearance of this variety makes it equally desirable for the market as well as the home garden. It is a "fancy" Onion, and is sold on the market as a Spanish Onion. The true Prizetaker is round, has pale yellow skin and white flesh which is mild and of delicate flavor. Pkt. 10c., oz. 30c.

## FLAT VARIETIES

**Red Wethersfield.** Grows to full size the first season from seed. Large, flat in shape; skin is a purplish-red color and flesh a purplish-white. Rather strong flavored. A fine keeper. Pkt. 5c., oz. 20c.

**Yellow Flat Danvers.** Same quality as the Yellow Globe Danvers, it being flat instead of round. Considerably grown for sets. It is a heavy yielder and is largely grown for the home garden as well as for the market. Pkt. 5c., oz. 20c.

**White Queen.** Pure white, small and flat; extra early; fine for pickling. Pkt. 5c., oz. 25c.

**Silverskin, or White Portugal.** A splendid sort for growing white onion sets, pickles and for early bunching green onions. Also make large white onions for Fall and Winter use. A medium size flat bulb shape and has a mild flavor. Pkg. 5c., oz. 25c.

**White Barletta.** A small, white Indian sort, very early. Pkt. 5c., oz. 25c.

## CHOICE ONION SETS

Price variable, subject to market changes. Onion sets should be planted in rows 12 inches apart, 2 inches apart in rows. Good, rich soil and clean cultivation is necessary to obtain good, firm, large size Onions.

White Bottom Sets  
Yellow Bottom Sets  
Ebenezer Sets  
Top Multiplier or—  
Winter Onion Sets

} Prices upon application.

## PARSNIP

*German, Pastinake. Italian, Pastinaca.*

One ounce for 200 feet of drill. 5 to 6 pounds per acre.

**Culture.**—Sow as early in the Spring as the ground can be made fit, in drills 18 inches apart and 1½ inches deep in a rich, deep soil. Thin to 3 to 6 inches apart in rows. The flavor is improved by leaving in the ground over Winter or may be dug late in the Fall, piled loosely and covered with leaves or corn stalks until frozen and then placed in cellar or pits for use during the Winter.

**Large Sugar, or Hollow Crown.** The best variety. Roots long, smooth, white, tender and sugary. Very uniform in size and especially fine both for market as well as for home use. Pkt. 5c., oz. 15c.

## PARSLEY

*German, Petersilie. Italian, Prezzemolo.*

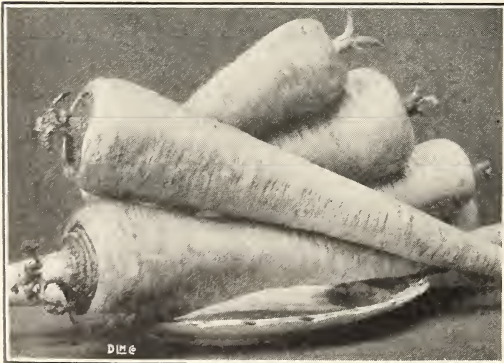
One ounce for 150 feet of drill.

**Culture.**—Succeeds best in a mellow, rich soil. Sow early in rows 1 foot apart and ½ inch deep. Thin to 6 inches apart in rows. Seed is slow to germinate. Soak seed for a few hours in warm water to assist germination. Used for garnishing and seasoning soups, meats, etc.

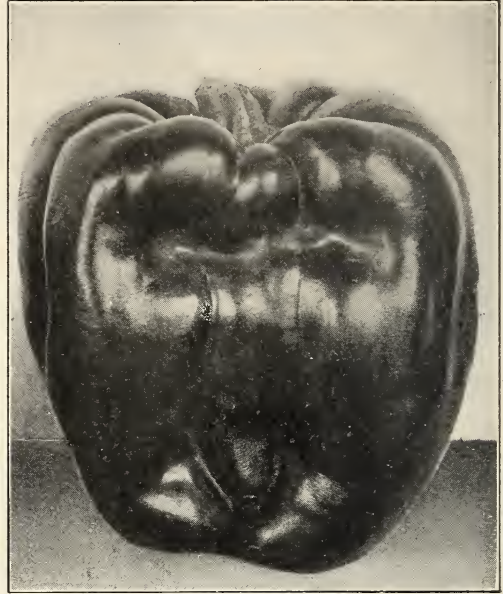
**Champion Moss Curled.** Extra large, dark green, tender, crimped and curled. Especially recommended for either greenhouse or outdoor planting. Pkt. 5c., oz. 15c.

**Plain or Single.** Plain leaves of excellent flavor. Lasts longer than those of the curled varieties. Pkt. 5c., oz. 15c.

**Hamburg, or Turnip Rooted.** The fleshy root is the edible portion. Highly esteemed for flavoring soups, stews, etc. Pkt. 5c., oz. 15c.



Hollow Crown Parsnip



Chinese Giant Pepper

## PEPPER

*German, Pfeffer. Italian, Peperone.*

One ounce of seed for about 1000 plants.

**Culture.**—Peppers are more tender than most vegetable plants. Seed should be sown in hotbed or coldframe. A box in a window will answer if no other place is available. Sow early in March, and transplant to flats when 2 inches high. Set in open ground when weather is warm and settled, in rows 2 feet apart with plants 12 to 15 inches apart in rows. Good, rich soil is necessary for good growth.

All varieties. Pkt. 10c., oz. 40c.

**Chinese Giant.** One of the best large, sweet Peppers. Fruits are bright scarlet, with thick flesh, very sweet and only a trace of fieriness. Requires a long season.

**Red Chile.** Very productive. Small, red and very pungent.

**Large Bell, or Bull Nose.** A standard variety of vigorous growth. Fruit of good size, dark green, turning to red at maturity. Mild, pleasant flavor.

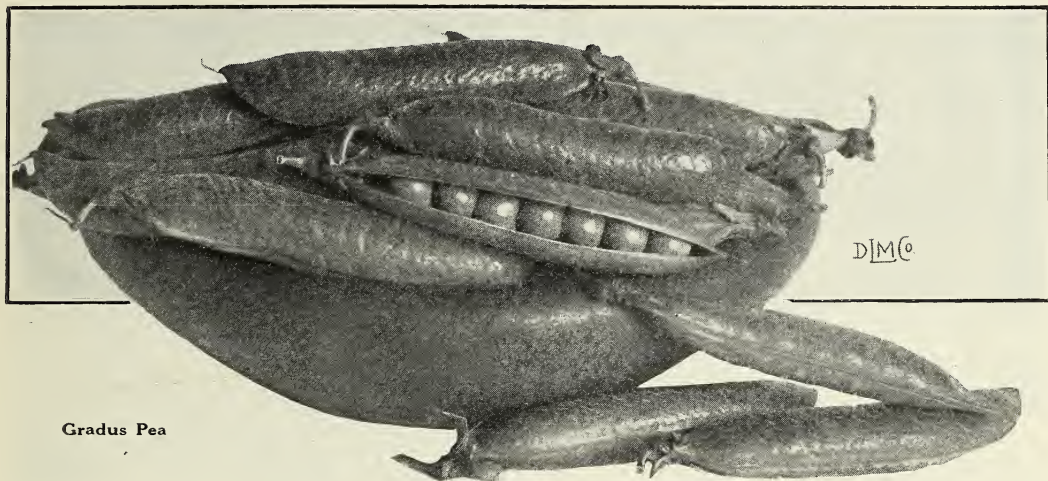
**Sweet Mountain.** Very similar to Large Bell. Very popular stuffed for pickles.

**Ruby King.** Bright red, 4 to 6 inches long, mild. One of the best sorts for stuffing.

**Long Red Cayenne.** Pods are long and slender; green, turning to bright red and very pungent. Used also extensively for bunching with pot herbs.

**Pimento.** The sweetest Pepper grown. Fruit is of medium size and very desirable for filling. Used also for flavoring salads. Flesh is quite thick and skin may be removed by scalding. When ripe the Peppers are a brilliant red and very attractive.





Gradus Pea

## PEAS

*German, Erbsen.*

*Italian, Pisello.*

*One quart will sow 100 feet of drill. 60 to 100 pounds per acre.*

**Culture.**—By selecting sorts that do not grow much over 2 feet high the use of brush is avoided. Dwarf sorts are best where space is limited. A selection of varieties and planting frequently for succession will give a supply of choice Peas during the hottest weather. Make furrows 3 to 4 inches deep and 3 feet apart, scatter Peas in them and cover. Cultivate same as Corn and Beans. The late varieties may be planted in double rows with brush for support. Heavy yields cannot be obtained on poor soils. The very dwarf sorts will succeed only on rich soil and may be planted in rows 1 foot apart.

All varieties except as noted. Pkt. 10c., lb. 35c.

### EARLY VARIETIES

**Alaska.** A well known, early, smooth Pea, extensively used in canning. Vines grow about 2 feet and bear an abundance of pods, dark green in color and of good flavor for so early a variety.

**Little Marvel.** The ideal Peas for the home garden. Early and very productive. Pods borne in pairs about  $2\frac{1}{2}$  inches long, well filled with large Peas of delicious flavor; 18 inches high.

**American Wonder.** A very fine extra early variety, well suited for the home garden. Very sweet and productive. Vines not large but bear very heavily. Height, 1 foot.

**Nott's Excelsior.** An improvement on the American Wonder, being fully as early and pods are larger. Pods are numerous and are well filled with very sweet and finely flavored Peas. Desirable for market and home use. Height, 14 inches.

**Premium Gem, or Little Gem.** A fine dwarf, wrinkled variety. Vines grow 18 inches high and pods are borne on both sides of stalk, and produce large crops. Pods are well filled with finely flavored sweet Peas. Desirable for market or home use.

### HALF-DWARF WRINKLED PEAS

**Everbearing.** A large podded, late variety. Good for Summer and Autumn use; 24 inches high.

**Gradus, or Prosperity.** A fine, early, large podded, wrinkled Pea. A favorite in the home garden and for market gardeners. Pods are 4 to  $4\frac{1}{2}$  inches long and the Peas are unusually large, very sweet and of a delicious flavor; 20 to 30 inches.

**Thomas Laxton.** Resembles Gradus, but is earlier and more hardy. Pods not quite so large but more productive. For best results give support of some kind;  $2\frac{1}{2}$  to 3 feet.

### TALL VARIETIES

**Alderman, Wrinkled.** A fine second early Pea. It is a vigorous growing, productive variety. Pods are of immense size, dark green in color, and 5 inches in length. Peas are large and sweet and tender.

**Duke of Albany, Wrinkled.** A tall variety similar to Telephone only the pods are dark green. Splendid sort for market gardeners; 4 feet.

**Admiral Dewey, Wrinkled.** Another of the medium large podded varieties similar to Alderman and, like that variety, is excellent for the home garden as well as for the market gardener; 4 feet.

**Tall Telephone, Wrinkled.** An old well known variety. One of the best late maturing varieties. Pods are large, containing 8 to 10 Peas of good flavor and quality; 4 feet.

**White Marrowfat, Smooth.** Very hardy and prolific. Pods are thick and large, about 3 inches long. Grown as a field crop quite extensively. Those who like a smooth Pea will find this very sweet and a heavy bearer; 5 feet. Pkt. 10c., lb. 25c.

**Black Eyed Marrowfat.** Smooth. Peas are white with a black eye. Similar in growth to the White Marrowfat. Also grown largely as a field crop; 4 feet. Pkt. 10c., lb. 25c.

## SEED POTATOES (Selected)

Northern grown stock selected and especially grown for seed purposes.

*One peck will plant about 100 feet of row or 100 hills.*

**Culture.**—For early potatoes which mature in 8 to 10 weeks from planting, the soil must be rich. Cut the tubers so that there will be 2 to 3 eyes to each piece. Plant in hills or rows 3 feet apart, and from 15 to 18 inches apart in the row. Spray the leaves of the young plants with Bordeaux and Arsenate of Lead, or Pyrox, as a protection against blight and potato beetles. The longer the tops can be kept green the greater the yield, so spray several times to prevent late blight.

**Early Ohio.** This variety is fully two weeks ahead of the Early Rose and is a general favorite. One of the most profitable potatoes to grow. Vines are erect and easy to cultivate. Tubers are compact in hill, making them easy to dig and very few small ones. Cooks dry and mealy. Produces a very large and profitable crop.

**Irish Cobbler.** One of the first varieties to be ready for the market, therefore commands a good price. Skin is creamy white, sometimes netted, which indicates good quality. Flesh is white and of fine flavor.

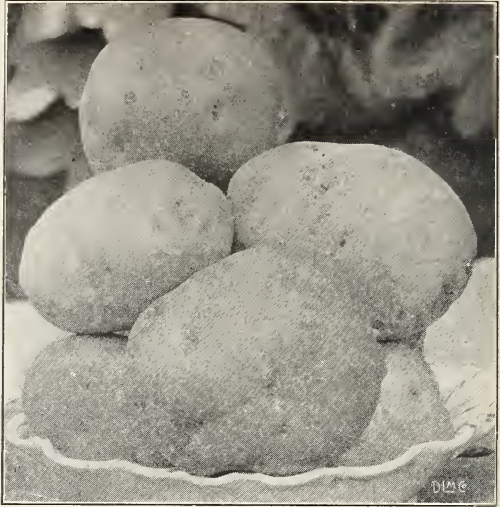
**Early Rose.** One of the older popular varieties. It is productive and of excellent table quality. Early, and does well even on poor land.

**Rural New Yorker.** A most popular main crop variety. Does best as a rule on dry soil and black soils. Easily grown, a good keeper and always yields well.

**Carman No. 3.** A grand main crop variety. A very heavy yielder and very few small tubers. Is of large size and fine shape; keeps well. Skin and flesh is very white; eyes few and shallow; late in ripening.

**Certified No. 9.** A potato of great merit. A splendid main crop variety and a big yielder. Tubers are very large and smooth and good shape. Flesh is white and firm and mealy when cooked. No false hearts. Vines very resistant to blight. The seed we offer is extra selected and is the result of several years' inspection and selection. A splendid potato for baking.

Prices are variable and subject to market changes. Shipped by freight or express as directed by purchaser who assumes all risks.



Early Ohio Potato

## PUMPKIN

*German, Melonen-Kurbiss. Italian, Zucca.*

*One ounce will plant 30 to 50 hills.*

**Culture.**—Seed may be planted with corn, but prove more profitable when planted in fields by themselves. Sow as soon as ground is warm in hills 8 feet apart. For exhibition Pumpkins sow Mammoth Tours and feed liberally with liquid manure.

**All varieties. Pkt. 5c., oz. 10c.**

**Winter Luxury.** A fine cooking sort 10 to 12 inches in diameter. Golden yellow, netted somewhat like a Muskmelon. One of the best to store for Winter use.

**Mammoth Tours, or Pot Iron.** Grown chiefly for exhibition purposes, and for stock feeding. Enormous size, sometimes weighing over 100 pounds. Skin salmon color, flesh yellow. Keeps long time.

**Small Sugar.** One of the best for the home garden. Excellent for pies, nearly round, rich orange color, fine grained and very sweet; 10 to 12 inches in diameter.

**Connecticut Field.** Grown largely for stock feeding but is also suitable for table use. An excellent keeper.

## RHUBARB

*German, Rhabarber. Italian, Rabarbabo.*

*One ounce will produce about 300 plants.*

**Culture.**—Good plants may be grown in any good garden soil. Sow seed thinly in shallow drills a foot apart. Thin to 4 to 8 inches apart. Keep soil loose and free from weeds. In the Fall or following Spring transplant to 4 feet apart each way in deep rich soil.

**Victoria.** Leaf stalks tall and large; skin thick and red and red stained. Everyone should have Rhubarb in the home garden for canning and pies. Very healthful. Pkt. 5c., oz. 15c.



Winter Luxury Pumpkin



## RADISH

*German, Radies. Italian, Ravanello.*

One ounce to 100 feet of drill. 8 to 10 pounds per acre.

**Culture.**—Sow early in good, warm, fibrous loam. If sandy, Radishes will mature a crop in four to six weeks from planting. Use fertilizers freely. Have rows 1 foot apart and sow thinly so that they will not require thinning. The short or Turnip-rooted are easiest and quickest to grow, also good for forcing. For succession, plant any time when you have a small spot in your garden available.

All varieties. Pkt. 5c., oz. 15c.

### GLOBE AND TURNIP-ROOTED VARIETIES

**Early Scarlet Globe.** A round, red Turnip-shaped Radish with small top and very quick growth. A standard variety for early outdoor planting, for the home garden and market.

**Non Plus Ultra.** A well known variety, good for forcing. Very early. Color is bright scarlet; Turnip-shaped.

**Scarlet Turnip, White Tipped.** One of the best early varieties. Roots are nearly round, somewhat flattened on under side. Color is a bright rose-scarlet with a distinct white tip. Flesh is white and of excellent quality.

**Crimson Giant.** A large globe-shaped variety. Color is a handsome deep scarlet. Grows to large size without becoming pithy.

**Early Scarlet Turnip.** Small top, quick growth, mild and crisp. Largely used for early planting in the open ground.

**Early White Turnip.** Very much like the scarlet Turnip but a trifle earlier in maturing. Skin and flesh is pure white.

**Wonderful Aerial Radish.** This wonderful Radish grows above ground like a Bush Bean. Delightful flavor. Pods may be had throughout the Summer and eaten with salt. Has a fine Radish flavor equal, if not superior, to any Radish grown. Makes excellent pickles. If American garden growers knew this plant it would be in general cultivation in all parts of the country. 25 seeds 25c.

**French Breakfast.** An oblong-shaped variety. Color is a beautiful scarlet with a clear white tip. Fine for open ground or for forcing. Of excellent quality.

### WINTER VARIETIES

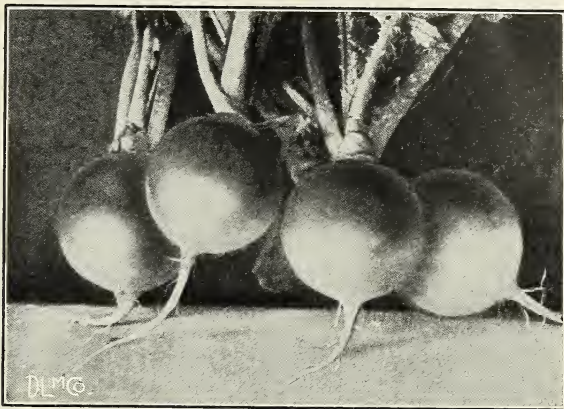
**Culture.**—Sow seed at the same time as you would sow Winter Turnip, so they will be crisp and tender. The proper time is late in Summer. They grow to large size, have hard, firm flesh, and can be kept in good condition all Winter by packing in moist sand or soil and removing to your cellar before ground freezes in the Fall.

**Chinese White.** A large, smooth, white Radish, round in shape and 6 to 8 inches long. Mildest flavored of the Winter sorts.

**Chinese Rose.** Not quite so large as the white variety and more pungent. Skin, bright rose, flesh white.

**Long Black Spanish.** A long, very hardy variety. Skin nearly black and pure white flesh.

**Round Black Spanish.** A large turnip-shaped sort. Skin and flesh same as long variety.



Scarlet Globe Radishes

### HALF LONG AND LONG VARIETIES

**Long Scarlet Short Top.** A well known variety and extensively planted. Roots 6 inches long, one-third of which is above ground. Color is bright red.

**White Icicle.** The finest long white Radish. Ready to use in 25 days but continues to grow and remains in good condition, crisp and tender and mild for a long time. Radishes are a transparent white with small tops.

**White Stuttgart.** A good Summer Radish, turnip shaped. Grows quickly and to good size. Skin and flesh is pure white and of excellent quality.

## SPINACH

*German, Spinat. Italian, Spinace.*

One ounce seed sufficient for 100 feet drill. 10 to 12 pounds per acre.

**Culture.**—Sow in early Spring, 1 inch deep in drills 1 foot apart, every two weeks for succession. Soil should be rich and light. Spade in plenty of well rotted manure or sheep manure and a good high grade fertilizer, such as "Bowker's," in drill, mixing with the soil. For Fall use sow in August, and for Winter crop in September cover what you have left over with straw or leaves after the ground is frozen. Sow seeds of New Zealand variety in hills 2 feet apart each way, 3 or 4 seeds in a hill.

All varieties. Pkt. 5c., oz. 15c.

**Giant Thick Leaved.** An early variety; very hardy and of good quality. Large, very dark green leaves, nearly round and smooth.

**Victoria.** Large, very dark green leaves, slightly crimped. Remains in good condition a long time. A new variety which is becoming a great favorite with market gardeners.

**Long Standing.** Leaves dark green and thick. Not inclined to run to seed for a long time. Excellent for market gardeners.

**Prickly Winter.** Use for Fall sowing as it is extremely hardy. Seed prickly; leaves not so large as other varieties.

**Bloomsdale, or Savoy Leaved.** Of upright growth. Leaves curled and crimped, thick and fleshy. Suitable for Fall sowing.

**New Zealand.** Yields an abundance of the tenderest Spinach during the hottest part of Summer, or in dry localities where ordinary Spinach runs to seed. Cut leaves as fast as produced and it will keep right on growing.

## SALSIFY, or VEGETABLE OYSTER

*German, Haferwurzeln. Italian, Sassefrica.*

*One ounce for 50 feet of drill.*

**Culture.**—Soil and culture the same as for Parsnips. Sow as early as possible in the Spring. It is hardy and can remain in the ground all Winter for early Spring use, but can be dug in the Fall and treated the same as Parsnips (which see). Used the same as Carrots, or, after being boiled, is made into cakes and fried like oysters. Succeeds best in light, well enriched, deep soil.

**Mammoth Sandwich Island.** This variety grows very large and resembles a good sized Parsnip. Very mild and delicate in flavor and very popular. Has a nice oyster-like flavor. Pkt. 5c., oz. 20c.

**SWISS CHARD** (See Beets)

## SQUASH

*German, Kürbiss. Italian, Zucca.*

*One ounce of seed for 25 to 40 hills (according to size of seed). 3 to 4 pounds per acre.*

**Culture.**—Squash do best in warm, rich soil. Plant in well manured hills, same as for Melons or Cucumbers, the bush varieties 4 feet apart each way and the Winter sorts 8 to 10 feet, 5 to 7 seeds in a hill. When danger from insects is past thin to 3 or 4 plants per hill. For striped beetles use Slug Shot, or spray with Pyrox for blight and beetles. Winter Squash may be grown with Corn the same as Pumpkins.

### EARLY SUMMER VARIETIES

**Mammoth White Bush.** An early round, flat Squash, handsomely scalloped. Color is clear white. Largely planted; one of the best early varieties. Pkt. 5c., oz. 10c.

**Mammoth Summer Crookneck.** A well known and standard variety. Grows from 18 inches to 2 feet long. Best when picked small and tender. Shell is yellow and warted; flesh is thick and good quality. Pkt. 5c., oz. 10c.

### FALL AND WINTER VARIETIES

**Warted Hubbard.** A favorite Winter Squash. Shell dark green and hard and warted; flesh, rich orange, dry and sweet. Splendid for cooking or pies. Pkt. 5c., oz. 15c.

**Golden Hubbard.** Earlier than the green Hubbard and at little smaller. Color, orange red. Pkt. 5c., oz. 15c.

**Boston Marrow.** A good keeper and excellent flavor. Flesh is orange colored and fine grained; oval shape. Excellent for Winter use and canning. Pkt. 5c., oz. 15c.

**Vegetable Marrow.** Pkt. 5c., oz. 15c.

**Long Green.** A favorite variety. Long and rather slim, with striped green skin. A fine variety. Pkt. 5c., oz. 15c.



**Earliest Producer Tomato**

## TOMATO

*German, Leibesapfel. Italian, Pomo d'oro.*

**Culture.**—Sow in hotbed, greenhouse or window in sitting room where night temperature does not go below 60°, about the first of March, in drills 5 inches apart and 1/2 inch deep. When plants are 2 inches high transplant into paper pots or small boxes, one to a box. Sometimes they are transplanted a second time, which makes plants more sturdy. Set in open ground when all danger of frost is past and ground is warm. Plant 3 feet apart in hills in which a liberal amount of sheep manure has been mixed. Set deep and water when transplanting. By training the Tomato vines on trellises, or tying to stakes, it will ripen better and be of fine quality.

**Earliest Producer.** This Tomato has shown wonderful results wherever grown last season. Always a prize winner for its shape, size and color. Good packer and shipper. Plants bear 40 per cent more than other varieties. A very early ripening Tomato. Earlier and heavier producer than strains previously offered. Very resistant against blight. We have secured a limited quantity of this Earliest Producer Tomato Seed and offer it as follows: Pkt. 10c., oz. \$1.50.

**Acme.** Ripens early, of medium, uniform size, round and smooth, pinkish in color. An excellent Tomato for the market gardeners. Pkt. 5c., oz. 35c.

**Beauty, Improved.** A standard variety for many years. Medium early, round, very uniform in shape; Skin smooth, crimson with purplish tinge. Flesh solid and excellent flavor. Pkt. 5c., oz. 35c.

**Bonny Best.** Ripens very uniformly; fruit is scarlet, very solid and good interior color. Vines are vigorous and produce a good crop of round fruits of excellent quality. Pkt. 5c., oz. 35c.



## TOMATOES—Continued

- John Baer.** An extra early scarlet fruited variety of superior merit. Vines hardy and productive. Largest of the extra early sorts and attractive in color. Nearly round, firm and smooth. Pkt. 5c., oz. 40c.
- June Pink.** The earliest of the pink varieties and one of the best for the family garden. Skin is thin and smooth, and flesh is solid of excellent quality and flavor. Pkt. 5c., oz. 35c.
- Earliana.** A fine scarlet Tomato; ready for the market very early; ripens uniformly and is a good yielder. Pkt. 5c., oz. 35c.
- Chalk's Early Jewel.** Fine, large, smooth and scarlet. Similar to Stone and early. Pkt. 5c., oz. 40c.
- Early Detroit.** An early variety, better than Acme. Produces more fruits which are globe-shaped, pink, heavy and firm. Holds its size well throughout the season. Pkt. 5c., oz. 45c.
- Dwarf Champion.** Sometimes called "Tree Tomato." A second early pink variety. Desirable where space is limited. Vines grow about 2 feet high; fruit smooth, medium size, and good quality. Pkt. 5c., oz. 35c.
- Ponderosa.** A very large, solid Tomato. Color is pink, changing to a purple. Grown for exhibition on account of its large size. Of excellent quality and used in home gardens as it is quite mild in flavor. Pkt. 5c., oz. 45c.
- Stone.** Fruits are large and smooth, deep scarlet in color, and ripening evenly; meat is solid and firm. Very productive, a valuable variety for family use and for canning. Pkt. 5c., oz. 35c.

## SMALL FRUITED TOMATOES

- Yellow Plum, Yellow Cherry, Red Cherry, Red Pear, Yellow Peach, Strawberry, or Husk.** Used for preserving, also for garnishing salads. Very mild in flavor. Pkt. 5c.

## TURNIP

*German, Weisse-Rübe. Italian, Navone.*  
One ounce will sow 200 feet of drill. 1½ to 2 pounds per acre.

**Culture.**—While Spring plantings of Turnip is important, the general or main crop is sown in late Summer or early Fall. Spring-sown seed germinates very early and turnips mature quickly. Do best on new ground. If manure is applied do it 3 to 4 weeks before planting, as it makes Turnips spotted. Sow in drills 12 to 15 inches apart and cover lightly. Thin to 6 inches apart in rows. For Fall and Winter use sow in July and August. Rutabagas are sown for stock feeding as well as for table use. Take up in November or before heavy frost, cut tops within 1 inch of crown and store in cool cellar or pit.

**All varieties. Pkt. 5c., oz. 15c.**

**Extra Early Purple Top Milan.** Best for Spring sowing. Of handsome appearance; somewhat flattened, white with purple top. Grows very rapidly.

**Early White Milan.** Similar in shape and size to the above and equally early. Surface smooth and white. Fine table quality.

**Early Flat White Dutch.** A popular, early, white, flat Turnip of medium size, smooth and of good quality.

**White Egg.** A good early, oval-shaped Turnip. Grows partly out of the ground. White, smooth skin; mild and sweet.

**Purple Top White Globe.** A fine table Turnip. Early and a heavy producer. Especially suitable for the home garden. Also a good Turnip for stock feeding as it will grow to large size if left in the ground until late.

**Purple Top Strap Leaf.** Probably the most extensively planted variety of Turnip. It is early, flat and of medium size, the lower portion white and upper part reddish purple. A fine table variety; flesh, fine grained and sweet.

**Snowball, or Six Weeks.** A fine, pure white variety, maturing in six to seven weeks. Has a smooth white skin and is nearly round. Does not grow very large but is one of the best early Spring sorts. Very tender and sweet.

**Yellow Globe.** One of the best yellow Turnips for general crop. Has a smooth skin and light yellow flesh, firm and sweet. Grows to large size. Is excellent for table use or for feeding stock. Keeps well until late in the Spring.

## RUTABAGA

**Culture.**—Same as Turnip, only make rows at least 2 feet apart, and have plants 8 to 10 inches apart in rows.

**All varieties. Pkt. 5c., oz. 15c.**

**American Purple Top.** Hardy, vigorous growing variety of excellent quality and one of the best for stock feed. Grows a large size.

**White Swede, or Russian.** A large, white globe-shaped variety. Flesh is fine quality, sweet and tender. Excellent for the table. May be grown to large size for stock feed.

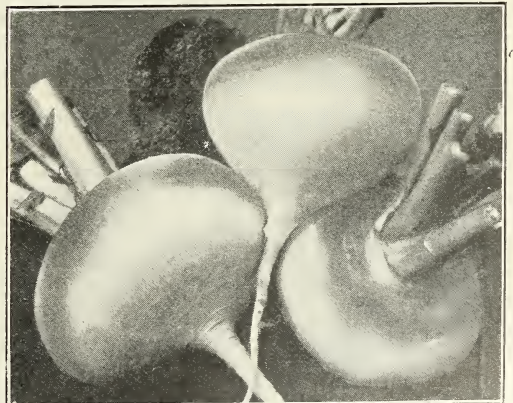
## TOBACCO

*German, Tobak. Italian, Tabacco.*

One ounce of good seed is sufficient for 1 acre.

**Culture.**—Sow seed as early in Spring as possible after danger of frost is past. When plants are 6 inches high transplant into rows 3 to 4 feet apart, with good space between plants.

**Havana.** We offer a very fine quality of Cuban grown seed of excellent flavor. Pkt. 10c., oz. 40c.



Purple Top White Globe Turnip

## SEEDS OF POT, SWEET AND MEDICINAL HERBS

The cultivation of herbs is very simple as they need but little care beyond keeping down the weeds. Sow in early Spring in drills 12 to 15 inches apart and thin out young plants so they will not stand too thickly. Gather when just coming to bloom. Tie in bunches and dry in shade.

All varieties. Pkt. 5c.

**Anise.** Seed aromatic and caminative.

**Balm.** For culinary purposes.

**Borage.** Leaves used as a salad.

**Caraway.** For sowing. Used in flavoring and bread.

**Coriander.** Seeds aromatic. For sowing.

**Dill.** For flavoring pickles.

**Fennell.** Seeds aromatic. For flavoring.

**Horehound.** Has medicinal qualities.

**Lavender.** For flavoring, also for distilled toilet water.

**Marjoram, Sweet.** Used for seasoning.

**Pennyroyal.** For flavoring.

**Rosemary.** Leaves used for seasoning and making perfumes.

**Savory, Summer.** Used as a culinary herb.

**Sage.** Broad leaved. A culinary herb.

**Sweet Basil.**

**Tansy.** Generally used in bitters.

**Thyme.**

**Wormwood.** Leaves with very bitter taste. Grown for medicinal purposes.

## VEGETABLE PLANTS AND CULINARY ROOTS

We grow Vegetable Plants in large quantities and have them fresh every day in season. We offer the following:

**Asparagus Roots**

**Brussels Sprouts**

**Cabbage, Early Varieties**

**Cabbage, Late Varieties**

**Cauliflower**

**Celery**

**Egg Plant**

**Horse Radish Sets**

**Kohl-Rabi**

**Pepper**

**Rhubarb Roots**

**Tomato, Pot Grown**

**Tomato, Transplanted**

Market prices given upon application.

### STRAWBERRY PLANTS

After considerable experience with many varieties we have decided to offer only the Superb Everbearing Strawberry Plants. They are hardy, large, strong rooted plants and bear heavily. Not only will they give you Summer berries, but will also produce plentiful crops during the early Fall months. Those who have used our plants pronounce them "unexcelled," both in vigor of bloom and quality of fruit. Price, 25 plants \$1.00, 100 plants \$3.00.

## General Cultural Directions for Annual Flower Seeds

It is an excellent plan to mix all small seeds with sand or dry soil, and sow the mixture in drills or scatter broadcast. This separates the seed and makes it easy in thinning out or transplanting. A common mistake is the sowing of flower seeds too deeply. As a general rule cover small seeds only to the thickness of the seed. With medium size seeds, such as Balsam, Zinnias, etc., cover only one-half in depth of the thickness of the seed. Such fine seeds as Petunias, Portulacas, etc., need only to be pressed into the soil with a board. Always press the soil after sowing all flower seeds. Seeds of the hardier annuals may be sown where they are to grow, but as a rule it is well to transplant as it makes the plants stronger and able to stand dry spells better. Keep all weeds down and the ground loosened often.

**Hard Shelled Seeds**, such as Canna, Japanese Morning Glory, Moonvine, Wild Cucumber, etc., should be soaked in warm water thirty-six hours before planting. Some of the varieties of seeds listed in our catalogue require or are benefited by special handling and you will find these cultural directions in connection with the descriptive matter covering them.

### 12 GOOD VARIETIES OF DWARF ANNUALS

**ASTER.** Mixed

**CANDYTUFT.**

**CONVOLVULUS.** Dwarf

mixed.

**ESCHSCHOLTZIA.** Mixed.

**LARKSPUR.** Mixed.

**MARIGOLD.** Mixed.

**MIGNONETTE.**

**NASTURTIIUM.** Mixed.

**PHLOX DRUM.** Mixed.

**PORTULACA.** Single.

**SWEET ALYSSUM.**

**ZINNIA.** Mixed.

### 12 GOOD VARIETIES OF TALL ANNUALS

**CENTAUREA CYANUS.**

Mixed.

**CLARKIA.** Mixed.

**COSMOS.** Mixed.

**MARIGOLD, AFRICAN.**

Mixed.

**POPPY.** Mixed.

**SCABIOSA.**

**SUNFLOWER.**

**ZINNIA, TALL.** Mixed.

**SNAPDRAGON, TALL.**

**NASTURTIIUM, TALL.**

Mixed.

**SALVIA.**

**NICOTIANA.**

During May and early June we have a large assortment of bedding plants such as Asters, Snapdragon, English Daisy, Carnation, Cosmos, Marigold, Mignonette, Forget-me-not, Pansies, Petunias, Annual Phlox, Salpiglossis, Salvia, Schizanthus, Scabiosa, Stocks, Verbena, Zinnias. Also Perennial Plants, which see on pages 40 and 41.





## ANNUAL FLOWER SEEDS

**ACROCLINIUM.** A very pretty annual "Everlasting" about 12 to 15 inches. Has white or rosy pink flowers. When cut in bud and dried are fine for Winter bouquets. Excellent in mixed border.

**Double Mixed.** Pkt. 10c.

**AGERATUM** (Floss Flower). Half hardy annual. Easily grown and blooms until frost. Mix seeds with sand to prevent sowing too thickly. A fine bedding plant. Deep blue flowers. Pkt. 10c.

**ALYSSUM** (Madwort). Pretty little plants for bedding edging in rockwork. Blooms freely all Summer. Sow where seeds are to remain. Mix seed with sand to prevent sowing too thickly.

**maritimum** (Sweet Alyssum). Pkt. 5c.

**Little Gem, or Carpet of Snow.** Dwarf or trailing habit. Pkt. 5c.

**saxatile compactum** (Basket of Gold). Showy bright yellow flowers. Hardy perennial; 1 foot. Pkt. 10c.

**AMARANTHUS** (3 to 5 feet). Annuals with brilliant foliage. Useful in borders or for center of large beds. Like a hot, sunny spot, not too rich soil and plenty of room to grow to full size and beauty.

**caudatus** (Love Lies Bleeding). Blood red, drooping. Pkt. 5c.

**Tri-color** (Joseph's Coat). Foliage crimson, yellow and bronze. Pkt. 5c.

**Sunrise.** Most brilliant of this species. Foliage crimson-bronze with tuft of carmine-scarlet leaves at end of each branch. Pkt. 10c.

**ANTIRRHINUM** (Snapdragon). One of the best cut flowers and easily grown from seed. Succeed best in sunny location and rather light soil. Best treated as an annual, although it will frequently live through the Winter if protected.

**Dwarf varieties:**

**White, Black Prince, Carmine, Yellow and mixed.** Pkt. 10c.

**Semi-Dwarf varieties:**

**Silver, Pink, Yellow and mixed.** Pkt. 10c.

**Giant Flowering varieties:**

**White, Pink, Red, Yellow and mixed.** Pkt. 10c.

## Two New Asters

**PURE HONOR. White.**

**MERITORIOUS. Pink.**

If you want the finest and best in Asters try these wonderful  
**Pkt. \$1.00.** Chrysanthemum size Aster Seed.

**Pkt. \$1.00.**

**Pure Honor White Aster** is a cross of Semple's Branching, and the Crego Asters. It is pure white, non-branching, with blooms averaging 3 to 4 inches in diameter. Will grow as well under glass as in the open field.

**Meritorious Pink Aster** is a cross of Semple's Branching and American Beauty. Grows about 2½ feet tall and very heavy rooted. Blooms average 3½ to 4½ inches in diameter, very full, no sign of center stem and are a wonderful pink color. Very resistant to blight.

We cannot do justice in a circular to these wonderful Asters. You will say that you never knew Asters before, after growing the Pure Honor White and Meritorious Pink Asters.



## FLOWER SEEDS—Continued

**ASTER.** General cultural directions. Sow in April indoors or in a coldframe in pots or flats. Transplant one inch apart, when they have made third leaf. Plant out in late May or early June. Soak the ground with Vermine before planting to rid it of all grubs, etc., that attack and destroy young plants. A later sowing may be made outdoors in May.

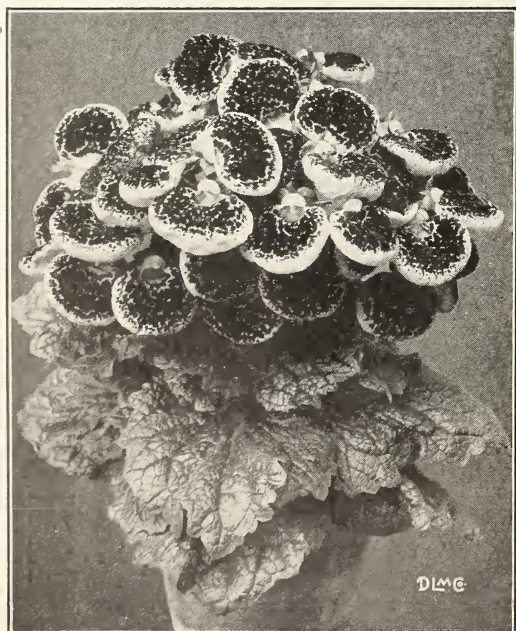
**Simple's late Branching.** Sixteen inches and up. Beautiful for cut flowers. Flowers large, very double, on long, stiff stems, and colors clear and handsome. White, pink, rose, red, lavender, dark blue and mixed. Pkt. 10c.

**Ostrich Plume.** Tall, 16 inches and up. A fine type of the Giant Comet but larger. Petals are long and twisted and produced in great abundance. Have long stems and are fine for cutting. White, pink, rose, red, lavender and dark blue. Pkt. 10c.

**Queen of the Market.** Half tall, 11 to 16 inches. The best early Aster, usually in bloom two weeks before most other sorts. Of graceful, spreading habit. White, pink, rose, red, lavender, dark blue and mixed. Pkt. 10c.

**King Aster.** Sixteen inches and up. Similar in habit to the Giant Branching, with long, stiff stems, petals resembling the quilled varieties but longer and broader, center petals being curled and incurved, covering the crown. The bloom is round, full and very large. White, rose, lavender, pink, dark blue, mixed. Pkt. 10c.

**Daybreak.** Half tall, 10 to 16 inches. A strong, bushy plant of even growth, with full, round flowers on strong, stiff stems. Valuable for bedding. White, rose, lavender, pink, dark blue, mixed. Pkt. 10c.



Calceolaria, spotted

**AURICULA.** (See Primula.)

**BACHELOR BUTTONS.** (See Centaurea.)

**BALLOON VINE** (Love in a Puff). A free growing, clean cut vine, 10 to 15 feet, with delicate clusters of bloom and large, round seed pods, resembling miniature inflated balloons, very odd and curious. A very effective vine. Pkt. 5c.

**BALSAM, Double** (Lady Slipper). A favorite garden flower. Produces gorgeous masses of beautiful and brilliant double flowers in profusion. They like the hot sun and plenty of water. Set 12 to 18 inches apart. Transplanting several times dwarfs the plants to better shape and makes the flowers more double.

**Double Camellia Flowered.** White, salmon, Prince Salfino (striped and spotted white, lilac and scarlet) violet, scarlet and mixed. Pkt. 10c.

**BEANS, Ornamental** (Scarlet Runner). An exceedingly rapid grower, its strong vines being covered with bright, scarlet flowers from early Summer till Fall. Pick pods as formed to help bloom. Pkt. 10c.

**BRACHYCOME** (Swan River Daisy). 1 foot. A dwarf free flowering annual. Bears a profusion of pretty blue or white Cineraria-shaped flowers the greater part of the Summer. Fine for edging small beds or pots. Pkt. 10c.

**CACALIA** (Tassel Flower). 2 feet. A very attractive border plant with brilliant orange scarlet flowers. Fine for bouquets and vases. Pkt. 5c.

**CALCEOLARIA** (Pouch Flower). 1½ feet. Hybrid mixed. A fine greenhouse plant and very beautiful. Flowers are pocket-shaped, beautifully striped and spotted in a great variety of shades and colors. Not of easy culture, but a very desirable flower. Pkt. 25c.

**CALENDULA** (Pot Marigold) 1 foot. One of the showiest and best free flowering annuals. Fine in mixed borders or beds. Continues in bloom from early Summer till frost. Valuable for pot culture in Winter and early Spring.

**Orange King.** Color a glowing orange. Pkt. 10c.

**Lemon King.** Large and sulphur yellow. Pkt. 10c.

**Pure Gold.** Pkt. 10c.

**Mixed.** Pkt. 10c.

**CALLIOPSIS** (Tickseed), 1½ to 2 feet. Splendid border plants, greatly prized for bouquets and vases. Will grow anywhere and their bright flowers are greatly prized, especially in city gardens.

**Mixed.** Containing all the most desirable sorts. Pkt. 10c.

**CANARY BIRD VINE.** 15 to 20 feet. A dainty vine with beautifully cut leaves and delicate canary yellow flowers. These resemble a bird with wings outstretched. Does well in shade. Pkt. 5c.

**CANDYTUFT.** Especially adapted for massing in beds and borders, also for edging. Strong bloomers and fine for cutting.

**White Rocket.** Long white flower spikes, lilac, carmine, crimson and pink in separate colors. Pkt. 10c.

**Giant Hyacinth-Flowered.** 1 foot. White. Pkt. 10c.

**sempervirens.** Hardy, survives Winter. White. Pkt. 10c.



## FLOWER SEEDS—Continued

**CARDINAL CLIMBER** (*Ipomoea*). 25 feet. A very strong growing and attractive vine. Beautiful fern-like foliage and covered with fiery red cardinal flowers, 1 inch in diameter, in clusters. Wants warm, sunny location. Plant outdoors about May 20th. Soak seed in water for several hours to hasten germination. Pkt. 10c.

**CARNATION**. A handsome hardy border flower. Free flowering and easily grown in beds, borders or pots.

**Chabaud's Mixed**. A beautiful strain originating in southern France. Flowers in great profusion. Pkt. 10c.

**Marguerite**. Mixed. Flowers of large size and all colors; upright growth. Pkt. 10c.

**CASTOR OIL BEAN**. (See *Ricinus*).

**CELOSIA** (Cockscomb). Very popular, easily cultivated annuals, having large ornamental comb-like heads. Fine for Summer flower beds. Quickly produced from seed.

**cristata**, or **Crested**. Pkt. 10c.

**Thompsoni magnifica**. Plumed. Colors from light yellow to dark red. Pkt. 10c.

**plumosa aurea**. Golden Plumed. Pkt. 10c.

**Dwarf Mixed**. Pink, yellow and golden crested. Pkt. 10c.

**Tall Mixed**. Crested. Pkt. 10c.

**plumosa Childsii** (Chinese Woolflower). Plants 2 to 3 feet high. Starts bloom early, each branch bearing a ball of scarlet wool. These mixed with the green foliage resemble a huge bouquet. Bloom full until frost. Pkt. 10c.

**CENTAUREA**. Popular annuals such as Cornflower, Sweet Sultans, Bachelor Buttons are included under this title. All are attractive flowering and of easiest culture.

**Bachelor's Buttons** (Blue Bottle, Ragged Sailor), etc. Pkt. 5c.

**Double Blue and Mixed Colors**. Pkt. 5c.

**Yellow Sweet Sultan** (*Suaevolens*). Pkt. 5c.

**imperialis Sweet Sultan**. White, lilac, rose and mixed. Pkt. 10c.

**Dusty Miller** (*Gymnocarpa*). Fine cut silvery foliage. Much used for borders. Pkt. 10c.

**CHRYSANTHEMUM** (Painted Daisies). 2½ feet. Annual single mixed. Showy and effective garden favorites and grown for cut flowers. Come in many colors. Splendid Summer flowering border plants. Distinct from the perennial and Fall flowering varieties. Pkt. 10c.

**CINERARIA**. Beautiful flowering plants for house or conservatory for Spring bloom. Sow seed May to September for succession of bloom. Grows very freely. Seedlings may be transplanted from flats to small pots, shifting as plants grow.

**stellata** (Star Cineraria). Bears large panicles of starry flowers in a variety of colors. Useful for cutting for house decoration. Pkt. 25c.

**Prize Dwarf**. Small plants about 1 foot high, with large heads of large individual flowers in a great range of fine colors. Pkt. 25c.

**CLARKIA**. 2 feet. A popular Summer annual, perfectly hardy and will grow easily in ordinary soil. Bloom profusely and are bright and attractive, especially in large masses.

**elegans, alba fl. pl.** Very double and pure white. Pkt. 10c.

**elegans, double mixed**. A fine mixture, containing all colors from white to purple. Pkt. 10c.



Clarkia Double

## CLARKIA—Continued

**Single Mixed**. Also separate colors, purple, rose, salmon and white. Pkt. 10c.

**CLEOME PUNGENS** (Spiderwort). 5 feet. A showy garden annual, well branched with large heads of bright rosy-crimson blossoms. Fine for large beds or in between shrubbery. Sow seed early in open ground as soon as weather is warm and settled. Give plants plenty of room. Pkt. 10c.

**COBÆA SCANDENS** (Cathedral Bells). 30 feet. A very handsome and rapid growing climbing vine. Flowers are bell-shaped, opening a clear green, but turning to a deep purplish blue. Plant seed edgewise. Pkt. 10c.

**flore alba**. Same as above, with white flowers. Pkt. 10c.

**Mixed**. Blue and white. Pkt. 10c.

**COSMOS**. Beautiful Autumn flowering plants and producing flowers in white, crimson and pink shades. Fine for cut flowers in the Fall when other flowers are scarce. Sow in the Spring when danger of frost is past. Plant about 18 inches apart. When 1 foot high pinch tops to induce bushy growth. Soil should not be too rich. Early flowering sorts are preferred for this location.

	Pkt.
<b>Early mixed</b> .....	10c.
<b>Crimson</b> .....	10c.
<b>Pink</b> .....	10c.
<b>Lady Lenox</b> . Pink, late .....	10c.
<b>Lady Lenox</b> . White, late .....	10c.
<b>Double Pink</b> . Early .....	10c.
<b>Double White</b> . Early .....	10c.
<b>Giant Flowering</b> . Late, crimson, white rose .....	10c.



## FLOWER SEEDS—Continued

**CYCLAMEN.** Beautiful Winter flowering plants for pot culture in the house or greenhouse. Sow in shallow pans in temperature of about 60°. They may be flowered in about one year from seed. We have the following varieties of choice seed.

English White, Princess of Wales, Excelsior, Brilliant Giant, Salmon King, Rosy Morn, Duke of Fife, Persicum Giant Mixed. All 25c per pkt. except Salmon King, which is 50c. per pkt.

**CYPRESS VINE** (*Ipomæa quamoclit hybrida*). 15 feet. A very popular vine with delicate, fern-like foliage and numerous star-shaped flowers. Sow in May, first soaking seeds in warm water for several hours.

Mixed colors. White and scarlet. Pkt. 10c.

**DAHLIA.** 4 feet. Dahlias can be grown from seed and will bloom the first year. Seed germinates easily. Plant in shallow box in March or April. Transplant to pots and set outdoors when all danger of frost is past. Many pleasing and new colors and shapes may be obtained from seed.

Double flowering mixed. Pkt. 10c.

**DATURA** (Trumpet Flower) (Angel's Trumpet). 2 to 3 feet. Handsome showy plants, with large trumpet-shaped, fragrant flowers. Need a light soil and warm, sheltered location. Make a good pot plant for greenhouse.

**Cornucopia** (Horn of Plenty). Large flowers, like three cones, one within the other. Color rich violet with white interior. Dig root and protect from frost. Pkt. 10c.

**DIANTHUS** (Garden Pinks). Annual varieties of these popular garden flowers. Flowers are brilliant, the contrasting variety of colors in flowers make them stand out distinctly. Not particular as to soil but must have sunny location. Will survive if protected.

Heddewigii. Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

**chinensis** (India, or Chinese Pink). Large double fragrant flowers; mixed colors. Pkt. 10c.

**DIMORPHOTHECA** (African, Golden or Orange Daisy). 12 to 15 inches.

**aurantiaca.** Hardy annual from Africa. Plants bushy. Flowers are 2½ inches and over. Rich glossy orange-gold with dark center surrounded with black zone. Pkt. 10c.

**DRACÆNA INDIVISA** (Dragon Plant). Popular plants for pots or vases. Not hardy; long, narrow green leaves. Pkt. 10c.

**ESCHSCHOLTZIA** (California Poppy). 1 foot. Very attractive annuals for edging or masses in beds. Fine cut feathery foliage; profuse flowering, in bloom from June till frost. Bright, showy flowers. We offer a very fine selection of mixed colors from soft flesh pink to brilliant scarlet. Easily grown. Fine for cut flowers, cut in bud. Pkt. 10c.

**EVERLASTINGS.** (See *Helichrysum*.)

**FOUR O'CLOCK.** (See *Marvel of Peru*.)

**FORGET-ME-NOT.** (See *Myosotis*.)

**GAILLARDIA** (Blanket Flower). 1½ feet. Showy annuals, in bloom from early Summer till Fall. Brilliant colors, red and yellow predominating. Excellent for beds, borders and for cutting. Sow where they are to bloom.

**Picta Lorenziana, Double Perfection Mixed.** Pkt. 10c.



Datura

**GLOXINIA.** A beautiful variety of greenhouse plants with magnificent flowers of richest colors. Do best in a mixture of peat, loam and sand. As bulbs of these are scarce, try a few seeds and you will be surprised with results. Sow in March.

Hybrid grandiflora. Pkt. 50c.

**GOMPHRENA** (Globe Amaranth). 2 feet. Hardy annual flowers, with red clover-shaped blossoms; cut when in full bloom and dried they retain their beautiful coloring. Pkt. 5c.

**GODETIA.** 1½ feet. A very attractive, hardy annual and one that should be more extensively grown. Plants bloom freely and bear showy flowers of satiny texture in rich and varied colors. Does best in a rather poor soil.

Mixed Colors. Pkt. 10c.

**GOURDS.** 20 feet. Quick growing vines for covering arbors, walls and trellises. Blossoms of many are striking and handsome. The fruits are of all sizes and shapes. Many of them curiously shaped and marked. Dishcloth, Apple, Pear and Orange Shaped, Calabash, Sugar Trough, Nest Egg, Bottle, Dipper.

Mixed Varieties. Pkt. 5c.

**GYPSOPHILA** (Baby's Breath). 2 feet. Graceful plants much in demand for cutting and combining with other flowers in bouquets. Make several sowings during the season to keep up the supply.

*elegans, grandiflora alba.* White. Pkt. 5c.

Mixed. Pink and white. Pkt. 5c.

**HELIANTHUS** (Sunflower). Grown extensively for brilliant effects. Tall and imposing. They make a background for other lower growing plants and for filling waste spaces. The seed is extensively used for poultry.

**Mammoth Russian.** Pkt. 5c.

**Common or Garden Variety.** Pkt. 5c.



## FLOWER SEEDS—Continued

**HELICHRYSUM** (Strawflower). 2 to 3 feet. An ornamental plant for the garden when growing and also much prized for Winter bouquets. If intended for drying flowers should be gathered when *partially open* and dried in a cool place with heads downward.

**Monstrosum.** Double mixed. Pkt. 10c.

**Globe-shaped** (See Gomphrena).

**HELIOTROPE.** A universal favorite because of its delightful fragrance and long blooming period. Equally good as bedding plants in Summer and pot plants in Winter. Easily grown. Seed sown indoors in early Spring make fine bedding plants.

**King of the Blacks.** Deep purple, almost black. Pkt. 15c.

**Fine Mixed.** Pkt. 10c.

**HUMULUS JAPONICUS** (Japanese Hop). 20 feet. Rapid Summer climber, with dense foliage. One of the best annual vines for covering verandas, trellises, etc. Heat, drought and insects do not trouble it. Pkt. 5c.

**HYACINTH BEAN** (Dolichos). 10 feet. Rapid growing climber with pretty foliage and bean-like flower. Desirable as a cover for porches, trellises, etc. Sow seed in a sunny spot late in May.

**Princess Helen** (Daylight). White. Pkt. 10c.

**Purple Soudan** (Darkness). Rose-violet flowers and dark ruby-purple seed pods. Pkt. 10c.

**Fine Mixed.** Pkt. 5c.

**IMPATIENS** (Zanzibar Balsam). 1 foot. A very pretty plant for pot culture, also for outdoor bedding in half shaded places. Long period of bloom. Fine for Winter blooming.

**Sultani.** Bright rose. Pkt. 25c.

**KOCHIA** (Summer Cypress) (Burning Bush). 2½ feet.

**trichophylla.** An easily grown annual, sown in the Spring. Grows quickly and makes a cypress-like hedge of beautiful green. Late in the Autumn it becomes a deep red. A splendid plant for dividing the vegetable garden from the flower garden, or for quick growing non-permanent hedge. Pkt. 5c.

**compacta.** A dwarf variety of the above. Pkt. 5c.

**KUDZU VINE** (Jack and the Bean Stalk). 8 to 10 feet. A very fast growing hardy climber. Easily started from seed. Foliage is large and has rosy-purple pea-shaped blossoms late in the season. Makes a splendid permanent cover for verandas, trellises, etc. Pkt. 10c.

**LARKSPUR.** Annual. 2 feet. One of the best known garden annuals. By careful selection it has been greatly improved in the color and size of the blossoms. Sow in the open ground in early Spring. Will produce flowers from July until frost. Splendid for beds or among the shrubbery. Also excellent for cutting. Pkt. 10c.

**Double Stock Flowered.** Mixed colors. Pkt. 10c.

**Double Rocket.** Dwarf, mixed colors. Pkt. 5c.

**Double White.** Pkt. 10c.

**LOBELIA.** A popular and beautiful plant for pot culture, edgings, ribbon bedding, hanging baskets, etc. Fully covered with bloom all Summer and until frost. Sow seed out of doors where plants are to grow. A stimulant given them when in bloom greatly improves the flowers. Are good Winter conservatory plants of trailing habit.

**Erinus erecta Crystal Palace compacta.** Deep rich blue dark foliage. Best dark blue for bedding. 6 inches. Pkt. 10c.

**gracilis.** Light blue flowers, light green foliage, trailing habit. Pkt. 10c.

**erecta, Emperor William.** Light blue. Pkt. 10c.

**LOVE-IN-A-MIST.** (See Nigella.)

**LUPINUS** (Lupine). 2 feet. Free flowering, easily grown annuals with long, graceful spikes of rich, variously colored pea-shaped flowers. Excellent for mixed beds, borders and for cutting. Prefers a little shade.

**Mixed Colors.** Pkt. 10c.

**MARIGOLD** (Tagetes). 1 to 2 feet. Valuable because of their rich colorings of yellow and gold, from mid-Summer until frost. The dwarf varieties make a fine border for the tall ones. The African varieties have large self-colored blossoms. The French are smaller and are striped and spotted. Pkt.

**French Dwarf Double Mixed** ..... 10c.

**French Legion of Honor.** Single ..... 10c.

**African Tall.** Double ..... 10c.

**Orange Prince.** Double ..... 10c.

**Lemon Queen.** Double ..... 10c.

**Eldorado.** Yellow shades, very large double mixed ..... 10c.



Lobelia



## FLOWER SEEDS,—Continued

**MATTHIOLA** (Evening Scented Stock). 15 inches.

This is an old-fashioned annual with dull purplish flowers. Not especially pretty, but has a most delightful odor, especially in the evening.

*bicornis*. Pkt. 5c.

**MATRICARIA** (Feverfew). 3 feet.

*capensis* fl. pl. A fine bedding plant with small double white flowers. Fine for cutting or as a pot plant. Are a perennial in a mild climate, but treated as an annual here. Pkt. 10c.

**MARVEL OF PERU** (*Mirabilis*) (Four o'Clock).

2 feet. A good old-fashioned annual flower. Forms a nice bushy plant covered with hundreds of star-shaped blossoms, white, yellow, crimson and violet, and spotted. Makes a good hedge plant for temporary planting.

Mixed Colors. Pkt. 5c.

**MIGNONETTE**. A well known fragrant garden favorite. Used principally for cutting and in bouquets with other blossoms. Sowings may be made in April and again in July, which will give a succession of bloom from early Summer to frost. Can also be grown in pots for Winter and early Spring flowering.

*Machet*. Dwarf. Best for all purposes, either for indoors or outdoors. Pkt. 10c.

*pyramidalis*. Tall, large flowering. Pkt. 10c.

*Miles' Spiral*. 1 foot. Pkt. 10c.

**MIMOSA** (Sensitive plant). Curious and interesting, with pinkish white flowers. The fern-like leaves close and droop when touched or shaken.

*pudica*. Pkt. 5c.

**MIMULUS** (Musk Plant). 1 foot. Useful for hanging baskets. Showy, profuse flowering plants. Fine for greenhouse or moist, shady location. Blooms first year from seed, if sown early. Yellow flowers, fragrant foliage.

*moschatus*. Pkt. 10c.

**MOONFLOWER** (*Ipomœa*). 20 feet. Beautiful twining rapid growing annual climbers. Foliage very dense and odd shaped. Fine for indoor or greenhouse culture. As the seeds of most varieties are slow to germinate, the larger size seeds should be notched with a file before planting.

*mexicana*. Covered with large white flowers every evening and on cloudy days. Start seeds indoors. Pkt. 10c.



*Myosotis*



*Nigella*. See page 27

**MORNING GLORY** (*Ipomœa*).

*imperialis* (Japanese Morning Glory). Improved mixed. The Japanese Morning Glory requires a warm location to do best. The south side of a building is best. This variety is beyond question the best of all Morning Glory. Variegated form of foliage. Flowers of gigantic sizes and beautiful colorings. Pkt. 5c.

**Dwarf Morning Glory**. Very showy and beautiful. Hardy annual for bedding and borders, also rockwork. They have a long blooming period and blossom freely in sunny location.

Mixed all Colors. Pkt. 5c.

**Fancy Fringed**. Rapid climbers, same as the Japanese varieties, only that the petals are fringed; very attractive and pretty. Pkt. 10c.

**MYOSOTIS** (Forget-Me-Not). ½ foot to 1 foot. One of the best early Spring flowers, and make a splendid combination with Pansies and Daisies. They are especially effective when grown in masses. They are of a trailing habit. Best in shady, moist and cool location. Seed may be sown at any time in Spring or mid-Summer. Hardy if given slight protection during the Winter.

*alpestris*. Royal blue, trailing habit. Pkt. 10c.

*dissitiflora*. Rich blue, very early bloomer. Dwarf, compact habit and well adapted for planting among early Spring flowers. Pkt. 10c.

**NASTURTIUM**. Nothing excels *Nasturtium* flowers in duration of bloom. All they require is a moderately good soil and a sunny location. The dwarf varieties make excellent beddings for bordering plants. The tall varieties are luxurious climbers for verandas or covering railings or fences or for covering rough ground. Sow seed 2 inches deep and thin plants to 8 inches apart for dwarf varieties and 10 to 15 inches apart for other tall and climbing varieties.

**Special Mixture of Dwarf Nasturtiums**. Pkt. 5c., oz. 15c.

**Special Mixture of Tall Nasturtiums**. Pkt. 5c., oz. 15c.



## FLOWER SEEDS—Continued

**NICOTIANA** (Tobacco Plant). 2 to 3 feet. Free blooming, half hardy annual. Flowers all Summer; tubular-shaped flowers.

**affinis** (Tuberose Flowered Tobacco). Delightfully sweet scented. Flowers blooming continually. Pkt. 10c.

**NIGELLA** (Love-in-a-Mist). 1 foot. A hardy annual garden plant, easy culture. Fine flowers for cut foliage, a curious looking plant and seed pod. Grows in a good garden soil.

**Mixed Colors.** Splendid for cutting. Pkt. 5c.

**PANSIES.** They are so well known that they do not require any description. Pansy seed germinates and the plants grow more freely in the early days of Spring and should, therefore, be sown in the latter part of April or early in May. Use good rich soil composed of leafmould, well decayed cattle manure and good garden loam. Sow the seeds in drills, covering them not more than twice their diameter and pack the soil firmly over them. Do not let the soil become dry. Bed may be covered with newspapers to hasten germination and prevent drying. About the middle of August is the best time for sowing Pansy seed for very early plants. Pansies are hardy and if covered with straw or leaves will Winter themselves and come out sturdy and strong in the Spring. We offer the following varieties:

**Golden Gem.** Yellow. Pkt. 10c.

**Emperor William.** Dark blue. Pkt. 10c.

**Masterpiece** (Frisled Pansy). A beautiful type, each petal being conspicuously colored. We offer this variety in mixed colors, the rich, dark, velvety shades, predominating. Pkt. 25c.

**Choice Mixed.** Pkt. 5c.

**Giant Trimardeau.**

**Lord Beaconsfield.** Light lavender and dark purple. Pkt. 15c.

**Golden Queen.** Yellow. Pkt. 15c.

**Snow Queen.** White. Pkt. 15c.

**Mixed.** Pkt. 15c.

**PETUNIA.** A most pleasing display can be made with Petunias. Distinct markings and colorings make the show. Plants make a good, strong growth and bloom freely until after hard frost. Petunia seed is a little difficult to germinate but it is not hard if a reasonable amount of care is used. Have the soil well pulverized. Sow seeds on the surface, pressing them into the soil, using a small, smooth board. Then cover lightly with sand or light soil. Seeds sown in a hotbed or in the house early in the Spring will produce flowering plants for June. Seeds of the double Petunia do not possess as much vitality as the single, neither will they all come double.

**Bar Harbor Beauty.** Dwarf single. Pkt. 10c.

**Howard's Star, Dwarf.** Rich crimson, white star in the center; very showy. Pkt. 10c.

**Rosy Morn** (Nana compacta). Bushy, compact, medium size flowers, produced in great abundance. Colors bright pink with a broad white throat. Pkt. 10c.

**Giant California.** Flowers very large size, a great variety of colorings and markings with yellow throats. Colors are of almost every shade of crimson, white, lavender, etc. Pkt. 25c.

**Double Fringed Mixed.** Only a small percentage of the double are double. The reason for this is that the seed must be selected from the single flowers which have been pollinated with pollen from double flowers. Pkt. 50c.

**Single Mixed.** Pkt. 10c.

**PHLOX DRUMMONDII** (Flame Flower) (Annual Phlox). 1 foot. One of the showiest and most easily raised of all annuals. Dazzling in effect and contrasting in colors, especially when sown in masses or ribbon beds. Produces a continuous supply of most attractive flowers in all possible varieties of stripes, veins, and eyes of many shades. Sow seeds out of doors as soon as danger of frost is past. Cutting flowers and seed pods make plants more bushy and lengthens blooming period.

**Choice Mixed.** Splendid large flowering sorts. Pkt. 10c.

**cuspidata Mixed** (Star of Guedlingsburg). Mixture of star-shaped flowers. Pkt. 10c.

**POPPY.** Annual poppies are sown as early in Spring as possible in place where they are to remain as they do not stand transplanting. Noted for their brilliant color of silk-like texture in many brilliant color combinations. Plant seed in succession two weeks apart for all Summer bloom. Mix seed with sand before sowing so as to distribute seed thinly and evenly.

**Shirley.** Best mixed singles; bright, dainty and gauzy. A favorite for cutting. Pkt. 10c.

**Carnation Flowered Mixed.** Very double and fringed. Pkt. 10c.

**Peony Flowered Mixed.** Double, large, handsome flowers of many colors. Pkt. 10c.

**Single Mixed.** Pkt. 10c.

**PORTULACA** (Rose Moss). 6 inches. Charming little hardy annual plants, flourishing under almost any conditions, although hot sun and light, sandy soil suit it best. Nothing prettier for edgings, rockwork, beds and undergrowth for tall plants. Seed does not germinate until hot weather, so sow late. Requires little care and can be transplanted in full flower.

**Single Mixed.** Each strong plant will cover a space of about 1 foot in diameter. Pkt. 5c.

**Double Mixed.** Flowers are full and perfect as tiny Roses. This type does not reproduce, so if double plants are desired, fresh seed must be obtained each year. As all seed is very fine, first mix with sand and sow lightly and do not cover deep. Pkt. 10c.



Portulaca

## FLOWER SEEDS—Continued

**PRIMULA** (Chinese Primrose). One of the finest greenhouse plants for Winter and Spring flowering. Free flowering and valuable for window culture or cut flowers. Sow in drills in light, rich soil in shallow boxes from March to May. Cover  $\frac{1}{2}$  inch and press soil on them with board or bottom of pot. Plants should be well ventilated and watered and slightly shaded. Average height 9 inches.

**sinensis fimbriata**. Fine mixed for florists. Pkt. 25c.

**obconica grandiflora** Mixed. For the open border. Also does well in the house window garden. Continuous free bloomers for the Winter months. Pkt. 25c.

**japonica** (Japanese Primrose).

**Hybrids** Mixed. This is a hardy variety and is among the most prized of our Spring blooming plants. A slight protection will be beneficial. Pkt. 15c.

**vulgaris** (English Primrose). Yellow and fragrant. Pkt. 10c.

**RICINUS** (Castor Oil Plant). Ornamental plants of stately growth and picturesque foliage. Gives a semi-tropical effect to the garden. Tall varieties grow 8 to 10 feet high with leaves several feet across. Make a handsome hedge or screen.

**cambogensis**. Dark maroon, stems black. Pkt. 5c.

**sanguineus**. Red stems and seeds. Pkt. 5c.

**zanzibarensis**. Very large size immense leaves varying from light green to coppery bronze with reddish ribs. Pkt. 5c.

**RUDBECKIA** (Cone Flower).  $2\frac{1}{2}$  feet. Attractive, compact annual plants for beds or borders or clumps among shrubs. Showy, large yellow flowers with velvety brown central cones. Easily grown, suitable for cutting. Pkt. 10c.

**SALPIGLOSSIS** (Painted Tongue). 2 feet. Showy half-hardy annuals bearing beautiful funnel-shaped flowers with dark veins on white, crimson, yellow and orange grounds. Very easily grown, requiring light rich, sandy loam. Bloom from late Summer until frost. If you have never tried this flower buy a package of seed and you will always have it in your garden.

	Pkt.
Dark scarlet.....	10c.
Brown and gold.....	10c.
Rose and gold.....	10c.
Violet and gold.....	10c.
Grandiflora, Mixed.....	10c.

**SALVIA** (Flowering Sage) (Scarlet Sage).  $2\frac{1}{2}$  feet. A bedding plant that will keep the garden bright with color until late in the Fall. Very valuable for pot culture, for cutting and for borders. Sow seed in window boxes or frames in March or April, and set plants outdoors in May; or sow outdoors by June 1st and protect from strong winds and heavy rains. Will grow and bloom profusely in any good, light rich soil.

**Clara Bedman, or Bonfire**. A well known compact form of Salvia, the freest blooming of all; covered with flaming scarlet spikes. Pkt. 10c.

**splendens**. A well known bedding plant with long flaming flower spikes opening one at a time, making a display until frost. Pkt. 10c.

**SCABIOSA** (Mourning Bride) (Pincushion Flower). 2 feet. A favorite garden annual. The beautiful flowers are borne on long, stiff stems and come in exquisite soft shades of many colors. Sow seed out of doors any time after danger from frost is past. They come into bloom in July and continue until frost. Make effective borders or beds. Give plenty of room and keep seed pods cut off. We offer the following varieties:

**Tall Double, Yellow, Scarlet, Flesh, Pink, Black, Purple, Rose, White and Mixed**. Pkt. 10c.

**SCARLET RUNNER BEAN**. A great favorite in England and Europe, not only as an ornamental climber, but for its edible beans. Covered with bright scarlet pea-shaped flowers. Pkt. 10c.

**SCHIZANTHUS** (Butterfly, or Fringe Flower).  $\frac{1}{2}$  to 2 feet. Very beautiful and showy annual plants for beds or borders. Covered with a multitude of small butterfly-like flowers in striking colors. Makes fine pot plants for the house for late Winter and early Spring flowering. For this purpose sow in the Fall.

**Wisetonensis**. Used largely as a pot plant for the house or conservatory. Free flowering, flowers varying from almost white with yellow eye to brilliant rose with brown center. For outdoor flowering sow in February. Pkt. 10c.

**Mixed Varieties**. Pkt. 10c.

**SHAMROCK**. A dwarf growing three-leaved plant for pot culture. The variety commonly used is the Wood Sorrel, or Oxalis Acetosella. Grown in quantities in 2-inch pots for St. Patrick's Day by florists. Pkt. 10c.

**STATICE** (Sea Lavender). 1 foot. A beautiful everlasting flower. Pretty plants for rockwork and in the Summer garden, in beds or borders. Flowers small and numerous and are dried for everlastings.

**latifolia**. Purplish-blue flowers. Pkt. 10c.

**STOCKS** (Gilly Flower). 1 foot. One of the most popular annuals. Unsurpassed for bedding, cutting, edging and pot culture. For early flowers sow under glass in March or April. Transplant seedlings when 1 inch high and transfer to garden in May, setting a foot apart. For later flowers sow outdoors in May. Plants which begin to bloom late may be potted and will bloom all Winter in a room cool and moist.

**Ten Weeks Stocks**. Light Blue, White, Canary, Dark Blue, Crimson, Rose and Mixed. Pkt. 10c.

**Cut-and-Come-Again, Ten Weeks Stocks**. Sown in March will bloom in July and continue until frost. Flowers double and very fragrant. Pkt.

Princess Alice. White.....	10c.
Creole. Creamy yellow.....	10c.
Sapphire. Dark blue.....	10c.
La France. Silvery rose.....	10c.
May Queen. Lilac.....	10c.
Brilliant. Blood red.....	10c.

**SWEET SULTAN** (Centaurea imperialis). Giant Sweet Sultan. Beautiful sweet scented and artistic shaped flowers borne on long, strong stems. Will last for several days in good condition as cut flowers. Sow early in Spring so the flowers will be perfected before hot weather.

**Finest Mixed**. Colors of Rose, Lavender, Purple, Lilac and White. Pkt. 10c.



## FLOWER SEEDS—Continued



Salpiglossis—See page 28

**SUNFLOWER** (*Helianthus*). Stately, decorative plants for use among shrubbery and for screens and backgrounds. Plant in the open ground in the Spring and thin to 3 or 4 feet apart. Seed is valuable for feeding birds.

**Double Mixed.** Pkt. 5c.

**Single Mammoth.** Pkt. 5c.

#### QUEEN CITY ORCHID-FLOWERING SWEET PEAS

We offer the following varieties as being the best of their kind. We might extend this list to include a much larger number of varieties without giving you anything better than we can in the above selection. In our "Extra Choice Blend" you will find a great variety of rich colors and an assortment which will please you.

**Culture.**—Sweet Peas do best in a cool, deep, moist soil and a sunny location. The ground should be deep and rich. Prepare in the Fall if possible, but if done in the Spring use well rotted manure. Bone-meal or sheep manure is excellent if rotted manure cannot be obtained. Sow early as Sweet Peas need the cool, moist Spring ground to make root growth. Sow in deep furrows, at least 6 inches deep. Cover seed 1 inch deep. When plants are 2 inches high thin to 3 to 4 inches apart and fill in with another inch of soil, always leaving a part of the plant above the surface. Continue as plants grow until trench is practically full. Water thoroughly and frequently during dry weather and give an application of liquid manure once a week. Mulch with hay or lawn rakings to hold moisture and keep ground cool. Pick blossoms often to prevent plants running to seed.

	Pkt.	Oz.
<b>Blue Monarch.</b> Strong blue.....	10c.	40c.
<b>Constance Hinton.</b> White.....	10c.	40c.
<b>Countess Spencer.</b> Pink.....	10c.	40c.
<b>King Edward.</b> Scarlet.....	10c.	40c.
<b>Florence Nightingale.</b> Lavender.....	10c.	40c.
<b>Mrs. Hugh Dickson.</b> Salmon.....	10c.	40c.
<b>Nubian.</b> Maroon.....	10c.	40c.
<b>Primrose.</b> Cream.....	10c.	40c.
<b>Wedgwood.</b> Light blue.....	10c.	40c.
<b>Extra Choice Blend Spencer Mixed.</b>	Pkt. 10c.,	oz. 40c.
<b>Choice Mixed.</b>	Pkt. 5c.,	oz. 25c.

**THUNBERGIA** (Black Eyed Susan). 5 feet. **alata Mixed.** Beautiful trailing plants for hanging baskets, lawn vases, also for fences and verandas. Flowers in buff, white, orange, etc., with dark eyes. Prefers a warm, sunny location. A tender perennial but grown as an annual. Pkt. 10c.

**TORENIA.** 10 inches.

**Fournieri grandiflora.** Bushy globe-shaped plants, splendid for vases, hanging baskets, borders, etc. Covered with sky-blue snapdragon-shaped flowers, with darker blue spots and yellow center. Pkt. 10c.

**VERBENA.** A pretty annual bedding plant or creeper. In good soil one plant will cover 3 to 4 feet. Splendid for beds, borders, window boxes, etc. For early Spring flowers sow under glass in February. For later flowers sow in March and April. Soak seed for a few hours in lukewarm water and sow in boxes with light, rich soil, covering  $\frac{1}{4}$  inch deep. When seedlings are 1 inch in height transplant. Set out in May in sunny location. Plants bloom from early Summer until frost.

**Lucifer.** Intense brilliant scarlet. Pkt. 10c.

**Mammoth.** Plants and flowers are very large. Bloom numerous and in large heads.

	Pkt.
<b>Defiance.</b> Scarlet.....	10c.
<b>Blue.</b> .....	10c.
<b>Pink.</b> .....	10c.
<b>White.</b> .....	10c.
<b>Choice Mixed.</b> .....	10c.

**VISCARIA** (Rock Lychnis). 1 foot. Free blooming annuals closely related to Lychnis. Make compact plants and are covered all Summer and Fall with bright colored flowers shaped like single Pinks and borne on long stems. Sow seed where they are to bloom, thinning out so as not to crowd.

**Choice Mixed.** Pkt. 10c.

**WILD CUCUMBER** (*Echinocystis lobata*). A very quick growing annual vine. Splendid for covering trellises, old stumps, fences, etc. Bright green, clean foliage and sprays of white flowers during July and August. Pkt. 5c.

**ZEJA JAPONICA** (Rainbow Corn). 5 feet. An ornamental foliage plant which is highly effective and interesting. Grows quite bushy, with variegated foliage, bright green, silvery white, rosy-purple and sulphur-yellow. Excellent for mixed border. Pkt. 10c.

**ZINNIA** (Youth and Old Age). This is an old time favorite and one of the most brilliant, satisfactory and showy annuals. Sow the seed early in a hotbed or sunny window and transplant or sow later in the open ground. Come into flower early and bloom until frost.

**Large Flowering, Double.**

	Pkt.
<b>White.</b> .....	10c.
<b>Sulphur Yellow.</b> .....	10c.
<b>Flesh Color.</b> .....	10c.
<b>Scarlet.</b> .....	10c.
<b>Golden Yellow.</b> .....	10c.
<b>Crimson.</b> .....	10c.
<b>elegans Fine Mixed.</b> .....	10c.



## PERENNIAL SEEDS

Perennials are plants that bloom the second year from seed and the plant lives and blooms for many years. If sown in early Spring many perennials will bloom the first year from seed. The tender and half hardy perennials are best sown in the Spring when danger of frost is past and the hardy varieties sown in the late Summer or very early Fall for next year's flowers. It is a good plan at the beginning of frost to cover lightly with straw, leaves or any dry litter to afford some protection from the extreme Winter cold. Remove as soon as the frost is out of the ground and loosen the surface of the soil around the plants, which may be transplanted to the flower garden if they were not set in place in the Fall.

**ACHILLEA** (Milfoil, or Yarrow).

**Ptarmica** (The Pearl). 2 feet. One of the best white hardy plants. Covered with pure white flowers from sowing to Fall. Easily grown. Pkt. 10c.

**ACONITUM** (Monk's Hood).

**Napellus**. 4 feet. Does well in shade. Large dark blue helmet-shaped flowers in August. Pkt. 10c.

**AGROSTEMMA** (Rose Champion).

**coronaria**, Mixed. 2 feet. Attractive free flowering perennial, easy culture, flowers crimson, like single Pinks, silver foliage. Fine for cutting. Pkt. 10c.

**ALYSSUM** (Madwort). Pretty, small plants for vases, bedding, rockwork.

**saxatile compactum** (Basket of Gold). 1 foot. Bright yellow flowers. Pkt. 10c.

**ANCHUSA** (Alkanet).

**italica**, Dropmore Variety. 3 to 5 feet. Star-shaped flowers of rich gentian blue. May and June. Desirable in hardy borders. Pkt. 10c.

**ANEMONE** (Wind Flower).

**coronaria**, Mixed (Poppy Anemone). Poppy-shaped flowers, brilliant and showy. Fine for bouquets. Sow in Spring and keep shaded until plants appear. Pkt. 10c.



Aquilegia and Digitalis

**AQUILEGIA** (Columbine). Sown in open ground early in Spring will bloom first year, or planted in August or September will make vigorous plants, blooming in early Spring. Very graceful, generous blooms and well adapted for cut flowers.

**Mrs. Scott Elliott**. 2 feet. Long, spurred hybrid mixed. Pkt. 10c.

**Hybrid Spurred, Mixed**. Pkt. 10c.

**vulgaris**, Mixed (Common European). Rich violet blue flowers. Pkt. 5c.

**ARABIS** (Rock Cross).

**alpina**. 6 inches. One of the earliest and prettiest white Spring flowers. Splendid for rockery or edging. Withstands drought. Pkt. 10c.

**ARGEMONE** (Mexican, or Prickly Poppy).

**Hybrid gran**. 3 feet. Spurry-like flowers; 3 inches across; yellow to creamy white. Sow after ground is warm, where plants are to grow, sunny location. Pkt. 10c.

**BELLIS PERENNIS** (English Daisy). Stands Winter if given light protection. Sow seed in August. Will bloom well into Summer. Double mixed, 6 inches. Pkt. 10c.

**BOCCONIA** (Plume Poppy, or Tree Celandine). Effective for single specimens or in groups. 5 feet.

**cordata**. Foliage green, spikes of cream colored, Poppy-like flowers, 2 to 3 feet long. Pkt. 10c.

**CAMPANULA** (Canterbury Bells). Sow seeds in May or early June in fine soil. Transplant by August 1st to place where they are to bloom, or transplant temporarily and put in permanent place by October 1st. When ground freezes cover lightly with straw or coarse hay.

**Medium** (Single Canterbury Bells). Beautiful bell-shaped blossoms.

**Single Mixed**. Pkt. 10c.

**Double Mixed**. Pkt. 10c.

**calycanthema** (Cup and Saucer). This is the finest type of this old-fashioned and much prized garden flower. May be grown in pots for indoor decoration. Finest mixed. All colors. Pkt. 10c.

**COREOPSIS**.

**lanceolata grandiflora**. 2 to 3 feet. A very popular hardy plant. Flowers rich golden yellow, like a yellow Cosmos. Good for cutting. Blooms late in June and continues the entire Summer and Fall. Pkt. 10c.

**CANDYTUFT** (Hardy).

**Iberis sempervirens**. 1 foot. Low growing, foliage evergreen. Pure white flowers in Spring and early Summer. Much used for cemeteries and rockeries. Pkt. 10c.

**CARNATION** (Hardy Garden Pink).

**plumarias** (Grass Pink, Scotch Pink, Pheasant Eye Pink). A beautiful, single, hardy Pink. Flowers fringed and different colors. Pkt. 10c.



## PERENNIAL SEEDS—Continued



Geum

**CHRYSANTHEMUM** (Hardy Varieties).

**King Edward VII.** Large white flower sometimes called Moonpenny Daisy. Pkt. 10c.

**DAISY, ENGLISH.** (See *Bellis perennis*.)

**DAISY, SHASTA.** 1½ to 2 feet. Large showy flowers of glistening white, with golden centers. Splendid for borders. Pkt. 10c.

**DELPHINIUM** (Hardy Larkspur). 5 to 6 feet. One of the exquisite flowers we have. Very effective in beds or masses, in borders, in combination with the hardy Madonna Lilies. Sow in the Fall or very early Spring. Sown indoors in Spring and transplanted to the open as soon as weather permits should bloom in July or August. Sown outdoors in Spring will probably not bloom until following year.

**Belladonna.** Clear turquoise blue. Pkt. 10c.

**formosum.** Rich dark blue with white center. Pkt. 10c.

**Hybrid Mixed.** Colors from pearl white through to lavender and dark blue. Pkt. 10c.

**DIGITALIS** (Foxglove). 3 feet. Highly ornamental and handsome hardy plants. Succeed with but little attention and give profusion of bloom during June and July. Excellent for naturalizing among shrubbery, the edge of woods, and other half shady places.

**gloxinæflora.** Handsome spotted Gloxinia-like flowers on long stems. Pkt. 10c.

**ERYNGIUM** (Sea Holly).

**Amethyst.** Handsome ornamental hardy plants 2 to 3 feet high, with fine cut thistle-like foliage and blossoms of amethyst blue. Pkt. 10c.

**EUPATORIUM** (Thoroughwort). Strong growing hardy plants which deserve a place in every hardy border. Thrive in almost any situation. Will flower first year if sown early.

**coelestinum.** 18 to 24 inches. Flowers deep lavender blue. Splendid for cutting. Pkt. 10c.

**GAILLARDIA** (Blanket Flower). 2 feet. Among the showiest and most effective hardy perennial plants. Should be in every hardy border. Require little or no protection and take care of themselves. Flowers large, yellow and crimson and shaped like a large Daisy. Fine for cutting.

**grandiflora Mixed.** Newest hybrids. Pkt. 10c.

**GEUM** (Avens).

**atrosanguineum.** 18 inches. Has a brilliant, scarlet-cardinal flower like a large double Carnation. A very pretty border plant. Pkt. 10c.

**GRASSES, ORNAMENTAL.**

**Erianthus** (Pampas Grass). Grows 10 to 12 feet high with sometimes 30 to 50 plumes. Pkt. 10c.

**Eulalia japonica zebrina** (Zebra Grass). 6 to 7 feet. A grass with long blades marked with broad yellow bands across the leaf. Attractive as specimen plants for the lawn. Pkt. 10c.

**Pennicetum longistylum.** Graceful greenish white plumes. Excellent for beds. 2 feet. Pkt. 10c.

**Pennicetum Rueppelianum** (Purple Fountain Grass). Graceful green foliage and purple plumes. Fine for an edging for a bed of tall plants such as Cannas. Pkt. 10c.

**Uniola latifolia** (Spike Grass). A native variety with pretty graceful drooping panicles. Pkt. 10c.

**GREVILLEA** (Silk Oak).

**robusta.** A graceful and beautiful decorative fern-like plant for table decoration. Raised easily from seed and makes a good size plant in a short time. Pkt. 10c.

**GYPSOPHILA** (Paniculata). 2 feet. White flowers, fine for bouquets. A favorite hardy perennial. Blooms first year from seed if sown early. Thrives in any good garden. Pkt. 10c.

**HOLLYHOCK.** 6 to 8 feet. Makes a beautiful showing in the hardy garden. As a background to hide a building or fence they are unsurpassed. The double and the single fringed are very fine and brilliantly colored. Seed sown by mid-Summer will produce flowering plants the following season.

**Alleghany.** Very large flowers in color from pale pink to deep red.

**Single Mixed.** Pkt. 10c.

**Double Mixed.** Pkt. 10c.

**Double White.** Pkt. 10c.

**HONESTY** (Moonwort) (Satin Flower). 2 feet. A plant grown for its curious seed pouches, which are of a beautiful silvery appearance and used for house ornaments. Pkt. 10c.

**LANTANA.** 2 feet. A very desirable, half hardy perennial plant for bedding or greenhouse. A constant bloomer. Verbena-like flowers in white, red and yellow shades, and having an agreeable, aromatic odor. May be grown in pots and set out in Summer. Pkt. 10c.]

**LATHYRUS.** [See Peas.]

## PERENNIAL SEEDS—Continued

**LOBELIA** (Cardinal Flower).

**cardinalis.** 1 to 2 feet. Rich fiery cardinal flowers. Prefers a moist location. A fine hardy border plant. Pkt. 10c.

**LYCHNIS.**

**chalcedonica** (Rose Campion) (Maltese Cross) (Scarlet lightning) (Jerusalem Cross). 2 to 3 feet. Scarlet single flowers, useful for massing in beds or borders. Will bloom the first season if sown early. Pkt. 10c.

**LUPINUS** (Lupin). Blooms in May and June.

Free flowering. Long graceful spikes of pea-shaped flowers. Valuable in mixed borders and in beds for cutting. Prefers a little shade.

**Mixed Colors.** Pink, White, Blue. Pkt. 10c.

**PENTSTEMON** (Beard Tongue). 3 feet. Highly

useful and attractive perennial. Blooms from June until frost the first year if sown early. Pendant bell-shaped flowers. Shaded and marked with scarlet, white and pink. Not quite hardy and best treated like Verbenas, Salvia, etc. Pkt. 10c.

**PEAS** (Hardy Sweet). Useful for covering walls, trellis, etc. Plants will live for years. Continually in bloom. Fine for cutting.

**Mixed Colors.** Pkt. 10c.

**PHLOX, HARDY** (*P. decussata*). Fine selection.

Sow early in Fall. A very desirable addition to the hardy border.

**Mixed Colors.** Pkt. 10c.



Wallflowers

**PLATYCODON** (Balloon Flower) (Japanese Bell-flower). Very showy flowers throughout the entire season. Forms large clumps. Excellent for the hardy border or among shrubs. Flowers violet blue. Pkt. 10c.

**POPPY, HARDY.**

**Oriental.** 2½ feet. Sow seeds in early Spring.

The plants disappear in mid-Summer and reappear in Fall when they should be transplanted to permanent quarters. Large, deep crimson flowers. Very showy. Pkt. 10c.

**Iceland** (*Papaver nudicaule*). 1 foot. Graceful bright green foliage with slender flower stalks. Brilliant flowers in profusion useful for cutting if picked in bud. Pick off seed pods and they will continue in bloom the entire season.

**Finest Mixed Colors.** Scarlet, White, Orange, etc. Pkt. 10c.

**PYRETHRUM.** Attractive hardy plants, useful in borders.

**aureum** (Golden Feather). Yellow foliage and much used for borders and carpet bedding. Pkt. 10c.

**hybridum** (Finest Mixed Single). Large Daisy- or Cosmos-like flowers in colors from white to pink and deep red with yellow centers. Bloom May and June, and again in Fall. A most graceful and long lasting cut flower. Pkt. 10c.

**RUDBECKIA** (Cone Flower). 3 feet.

**purpurea.** A most interesting hardy perennial with large reddish-purple flowers 4 inches across.

**laciniatus** (Golden Glow). Plants only.

**SCABIOSA** (Pincushion Flower). 2½ feet.

**japonica.** From Japan. Lavender-blue flowers on long, wiry stems. Fine for cutting. Pkt. 10c.

**SHASTA DAISY.** (See Daisy.)

**SWEET WILLIAM** (*Dianthus barbatus*). A sturdy old-fashioned flower. Beautiful, fragrant and worthy of a place in every hardy border. Seed may be sown at any time from Spring to mid-Summer, as young plants bloom most freely. It is well to sow each year.

**Mixed Colors.** Pkt. 10c.

**latifolius atrococcineus fl. pl.** (Everblooming Sweet William). A brilliant crimson-scarlet variety and very effective wherever placed. Pkt. 10c.

**VERBENA.** 1 foot.

**venosa** (Hardy Garden Verbena). Much used for bedding purposes. Flowers from early Summer until late Fall. Bright purplish-heliotrope flowers. Pkt. 10c.

**STOKESIA** (Corn Flower Aster). 2 feet. A rare and beautiful hardy perennial plant bearing a large number of lavender blue Bachelor Button-like flowers of large size. In bloom from July until frost. Splendid for the hardy border and for cutting. Pkt. 10c.

**WALLFLOWER.** Fragrant half hardy perennials blooming early in the Spring, with spikes of beautiful flowers. Protect in coldframe during Winter and plant out in April or early May.

**Choice Mixed.** Pkt. 10c.





## QUEEN CITY SEED AND NURSERY CO.'S CELEBRATED SUPERIOR GRASS SEED FOR LAWNS

**How to Make a Lawn.** The soil should be rich and carefully prepared by spading and raking to make it fine and free from all large stones, roots, and hardened lumps of soil that cannot be readily broken. You cannot expect to get a good lawn on the soil that came from digging the cellar. If you are building a new home make the contractors save the top soil. If this is not suitable procure enough good soil to make the top surface at least a foot deep. This is the only way to get a thick, velvety lawn that will look well even in a dry season. At the final raking before sowing seed, add 1 pound of Sheep Manure to each 10 square feet of surface and then sow **Queen City Superior Lawn Mixture** at the rate of 1 pound to 300 square feet of lawn. Rake again and roll to firm ground. When grass is four inches high cut with mower and thereafter every week or 10 days.

**Renovating Lawns.** You will find it will pay you to re-seed your lawn lightly each year. As early as possible rake off all dead leaves and other litter, and give it a top dressing of Sheep Manure or Bone Meal at the rate of 1 pound to 25 square feet of lawn and rake it in. Then sow about 1 pound of **Superior Lawn Mixture** to 500 square feet of surface and roll thoroughly. A later dressing of Sheep Manure is beneficial should the lawn show signs of becoming rusty during the Summer.

Price:  $\frac{1}{2}$  lb. 20c., 1 lb. 35c., 5 lbs. \$1.50, 10 lbs. \$2.90, 20 lbs. \$5.25.

## QUEEN CITY SHADY NOOK LAWN MIXTURE

On many lawns there are spots shaded by trees or spaces between houses where it is difficult to get a good green smooth surface. Frequently the soil in such places is sour and covered with moss and sorrel. These growths should first be removed with a sharp-toothed rake. Then give the ground a liberal coating of Agricultural Lime or Wood Ashes, or both. Spade this thoroughly into the surface soil and then sow **Queen City Shady Nook Lawn Mixture**, at the rate of 1 pound for each 250 to 300 square feet of new lawn. For old lawns add Lime and Wood Ashes as advised above, and sow proportionately less of seed according to conditions and roll thoroughly.

Price:  $\frac{1}{2}$  lb. 25c., 1 lb. 40c., 5 lbs. \$1.75.



Timothy

Red Top

Kentucky Blue Grass

Red Clover

## FIELD AND FARM SEEDS

Prices are all subject to market changes. Write or inquire for prices. Sacks extra.

**TIMOTHY.** The best by far and most important of all hay grasses. Produces a large crop of hay on most loamy or clayey land. Not so well suited for light, sandy soils. Stands drought and extreme heat and cold. Should be cut when flowering as it becomes hard and coarse later. Sown with Red Top and Red Clover, the feeding quality of the hay is greatly increased. If sown alone use at least 25 pounds per acre; with Red Top and Red Clover, 15 pounds Timothy, 12 pounds Red Top and 3 pounds Red Clover; with Red Clover only, 20 pounds Timothy, 5 pounds Clover. Timothy weighs 45 pounds per bushel.

**RED CLOVER, MEDIUM.** One of the most valuable farm crops for pasture, hay or for turning under for green manure. Sow in Spring; 15 pounds to the acre. Clover weighs 60 pounds to the bushel.

**ALSIKE.** A perennial 1 to 3 feet high, succeeding best in cold, stiff soils and in marshy lands too wet for other varieties. A good honey plant for bees. Sow 15 pounds to the acre. Alsike weighs 60 pounds per bushel.

**ALFALFA.** Requires a deep, rich well drained soil as the tap root is very long, descending sometimes 10 to 15 feet. Sown at about the same time as Oats, in thoroughly prepared, deeply plowed soil at 20 to 25 pounds per acre. Cut when plant is in bloom. In suitable soil it is a perennial and several crops may be cut each year. Alfalfa weighs 60 pounds per bushel.

**WHITE CLOVER, CHOICE.** A dwarf variety, spreading rapidly and very hardy. Valuable in permanent pastures as it stays green throughout the year. Sow in Spring 8 to 10 pounds per acre.

**RED TOP, or HERD'S GRASS, SOLID SEED.** A very hardy, perennial grass, succeeding best on moist land. It may be sown on dry lands and stands hot weather admirably. Remains green the greater part of the year. The trailing stems make a close, matted turf. Not affected by trampling. Sow about 50 pounds per acre. Red top weighs 32 pounds per bushel.

**BLUE GRASS, KENTUCKY.** A very valuable pasture grass, very productive and nutritious. A true perennial lasting indefinitely and improving each year. Forms a close turf and starts very early in Spring and lasts until frost. Succeeds in almost any soil and stands long continued dry weather and hot sun. As it takes several years to get established it should be sown with other grasses. Sow 50 pounds per acre. Weighs 14 pounds per bushel.

**BLUE GRASS, CANADIAN.** A hardy perennial grass with creeping root stalks. Grows on poorest and dryest soils, sandy, gravely or clayey, stands extremes of wet or dry and keeps green very late. Valuable for pastures. Sow 50 pounds per acre. Weighs 14 pounds per bushel.

**RYE GRASS, FANCY ENGLISH.** A carefully selected, dwarf growing variety, especially fine for lawns. Will make a fine turf in three weeks. Weighs 24 pounds per bushel.

**ORCHARD GRASS.** Selected stock, used for permanent meadows either for pasture or mowing. Very hardy and productive and makes excellent hay. Stock of all kinds are very fond of it. Will stand considerable shade. Not suited for lawns. Sow about 50 pounds per acre. Weighs 14 pounds per bushel.

## MILLET

(Weights 50 pounds per bushel.)

**Japanese.** Especially valuable for planting on low lands. 30 to 40 pounds per acre.

**Hungarian.** Produces a crop quickly and can therefore be planted later than the other sorts. 40 to 50 lbs. per acre.

**Golden.** Extra large seed heads. Sow 1½ bushel to the acre.





Hungarian Millet



Japanese Millet



German Millet

Barley

## FIELD CORN

**Northern Grown Seed.** 8 to 10 quarts per acre in hills for ears; 2 to 3 bushels per acre for fodder.

**Pride of the North.** Ears 8 to 10 inches long. Kernels closely set. Cob small and red; stalk medium, height 6 to 8 feet.

**Leaming Improved.** Similar in shape and size to Pride of the North. A fine ensilage Corn.

**Eureka.** A fine white Dent Corn, especially adapted for growing in this section. Ears 8 to 10 inches long and evenly filled out, maturing in about 100 days.

**Genesee Valley Flint.** A small nearly round kernel, deep yellow and very hard. Ears good size and well filled out. An early quick growing variety, maturing in about 90 days.

**Sanford Flint.** One of the finest white flints grown. Very productive, medium size ear averaging 10 inches in length. Handsome, large, well filled grains.

**Excelsior.** A very early yellow Dent Corn. Large ears. Gives excellent satisfaction; a 90-day Corn. Seed grown in Pennsylvania and acclimated to eastern conditions.

## SEED GRAINS

**BARLEY, Six-rowed.** Sow 2 bushels per acre.

**SPRING WHEAT, Marquis.** Sow  $1\frac{1}{2}$  bushels per acre.

**SPRING RYE.** Weighs 56 pounds per bushel. Sow 1 to  $1\frac{1}{2}$  bushels per acre.

**BUCKWHEAT.** Recleaned Silver Hulled. Weighs 48 pounds per bushel. **Japanese.** Sow 2 bushels per acre.

**COW PEAS.** One of the largest yielding and most nutritious forage crops grown. Also improving the productivity of the soil. Sow when ground is warm. Cow Peas fed either green or as hay, have a very high feeding value;  $1\frac{1}{4}$  to  $1\frac{1}{2}$  bushels per acre.

**SOY BEANS.** A native of the South as are Cow Peas, and considered by many their equal in value, for pasturing or plowing under. Plant when the ground is warm and drill in at the rate of  $\frac{3}{4}$  to 1 bushel per acre.

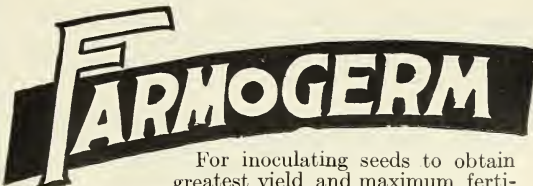
**CANADA FIELD PEAS.** Grown with Oats makes a hay or fodder which will double the production of milk. Sow early 2 bushels Peas and 1 bushel of Oats to the acre. Sow Peas and plow under and then sow Oats and harrow in. Cut when the Oats are in the milk and pods formed on the Peas. Weighs 60 pounds per bushel.

**DWARF ESSEX RAPE.** One of the best crops for sheep or hog pasturage. Ready to use in six to eight weeks. One acre will feed a dozen sheep for two months. Plant from April to August, 3 pounds per acre drilled in, or 5 pounds when broadcast. Weighs 50 pounds per bushel.

## VETCHES

**Winter Vetch.** A Winter cover crop; may be plowed under for green manure or pastured or cut for hay. Sown in the Fall broadcast; 60 pounds to the acre. Sometimes sowed with Rye.; 40 to 50 pounds Vetch and 30 pounds Rye.

**Spring Vetch.** Used for soiling or fodder. Sow about 90 pounds to the acre, when alone or with Wheat or Oats about 50 pounds.



For inoculating seeds to obtain greatest yield and maximum fertilizing value. No matter how big a crop you are getting Farmogerm will improve and increase it.

There is only one Farmogerm. Accept no substitutes. Easy and simple to use. Full directions on every bottle.

**No. 1. Culture.** For red, white, crimson, Alsike, Mammoth and Berseem Clovers.

**No. 2. Culture.** For Alfalfa or Lucerne and Sweet Clover.

**No. 3. Culture.** For Vetch and Canada Field Peas.

**No. 4. Culture.** For Soja Beans and Cow Peas.

**No. 5. Culture.** For Garden Peas, Garden Beans and Sweet Peas.

Garden size, enough for  $\frac{1}{4}$  acre. 50c.

One acre size. \$2.00.

Five acre size. \$8.00.

Specify what number you want when ordering.

# SUMMER FLOWERING BULBS

## FOR SPRING PLANTING

Bulbs are very easy to grow, are inexpensive, and give a variety of bloom that is unsurpassed in variety of color and time of blooming. As a rule they are planted out of doors soon after the weather becomes warm and settled. Dig after the first frost, when the leaves have turned yellow, and store in some dry place where they will not freeze.

For best results beds should be deeply spaded and a liberal amount of well rotted manure worked in.

## AMARYLLIS

For pot culture. They require a well drained, turfy, sandy soil and a growing and resting season. Start in moderate temperature and when leaves appear water carefully, and not in too great a quantity. After blossoming and at the approach of Fall, gradually withdraw water and allow bulb to ripen off. Protect from frost.

**Florida Hybrids.** Each 75c.

## CALADIUM ESCULENTUM

### Elephant's Ears

A vigorous plant with large hanging leaves on long, stiff stems. Most effective either singly on lawns or in centers of beds, or as a background for other lower growing plants. Also planted in groups or as a border for Cannas. Grows to large size in rich soil and an abundance of moisture.

**First size Bulbs 10c. each; large size 15c. each;**

**Mammoth 25c. each**

## CANNAS

Give fine results under almost any condition of soil and climate. For best results, however, they should have a sunny location and a generous amount of well decayed manure should be spaded into the bed and water supplied freely. Start plants indoors or in pots and set out when ground is warm.

**All varieties 10c. each, \$1.00 per doz.**

**King Humbert.** Red. Large flowers, orange-scarlet in color, measuring 6 inches across; rich coppery and bronze foliage, broad and massive; 4 to 5 feet high.

**King Humbert.** Yellow. (Queen Helene.) Same as King Humbert Red in habit of growth and flowering, with yellow flowers dotted with red and green foliage. Some plants occasionally give a scarlet or scarlet striped flower.

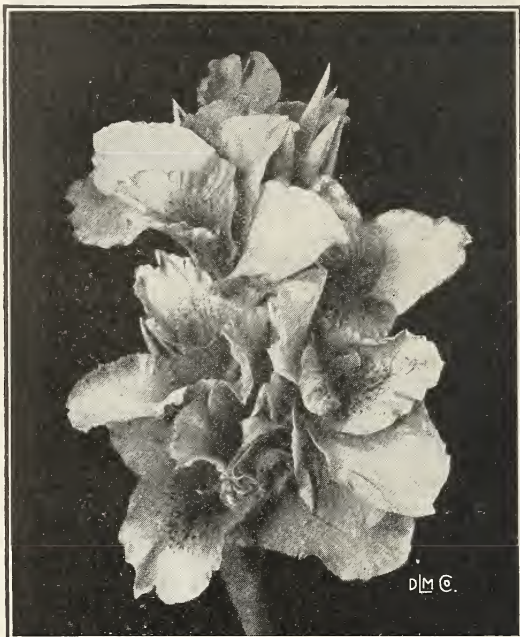
**Allemania.** Orchid flowering, bright scarlet with broad yellow border. Beautifully mottled and variegated. Foliage green, 5 feet.

**Florence Vaughan.** Bright rich golden yellow spotted with red. Grows to large size and perfect form. Green foliage; 4 feet.

**Indiana.** Orchid-shaped flowers, on a fiery but velvety orange, daintily marked and striped with red. Foliage green; 5 feet.

**Mrs. A. F. Conard.** Has large shaded salmon-pink flowers in abundance. Splendid for planting singly or in beds. Foliage green; 5 feet.

**Pennsylvania.** Flowers an intense vermilion scarlet overlaid with an orange sheen. Flowers produced freely. Foliage a rich green; 5 feet.



**Canna King Humbert**

## DAHLIAS

One of the most showy Autumn flowers. A sandy soil, well enriched, and a sunny location is preferred, yet good results may be obtained on almost any soil. Plant about 3 feet apart. Large clumps of roots should be divided, leaving one or two eyes to the tuber. Plant tuber flat on side, about 6 inches deep. Cultivate until blooming period. Take up tubers after hard frost, allow to dry off and store in sand or dry earth in a cool, dry place, safe from frost. Do not plant out until ground is warm.

**Arabella.** A show Dahlia. Flowers are round and full and ball-shaped. Color is a pale primrose, tipped with old rose and lavender. Very beautiful.

**Jack Rose.** The best crimson decorative Dahlia for garden or cutting. A brilliant crimson-red resembling closely the "Jack" Rose.

**Lyndhurst.** The best light red decorative Dahlia for cutting or garden effects.

**Sylvia.** A deep pink shading to flesh-pink at center. Splendid form on long, stiff stems. Splendid for cutting. Decorative variety.

**White Swan.** Flowers are pure white on long, graceful stems well above the foliage. A Cactus variety.

**All named varieties 15c. each.**

We also offer undivided clumps of double mixed varieties. These are named sorts but have not been kept separate. A dozen of these clumps will give you a wide range of colors and forms and will prove most pleasing. Clumps mixed double varieties, 15c. per clump.



## GLADIOLUS

Everyone should grow these easily cared for and most satisfactory bulbs. Plant some early and follow every ten days for succession of bloom. Set 3 to 6 inches deep, according to size, and about 6 inches apart. Cut flower spike when first blossom unfolds. Place in water and the buds will open well and last for several days if water is changed daily.

**Prices subject to change.**

**America.** Soft flesh pink, tinged with lavender. Doz. 60c., 100 \$4.50.

**Augusta.** Pure white with a tint of lavender. Doz. 60c., 100 \$4.50.

**Chicago.** Pure white with faint lavender markings on the lower petals. Long, straight stems. Doz. 60c., 100 \$4.50.

**Baron Hulot.** A deep blue of an indigo shade. Smaller than some other varieties but very effective. Doz. 75c., 100 \$6.00.

**Halley.** Salmon-pink, very early. Doz. 60c., 100 \$4.50.

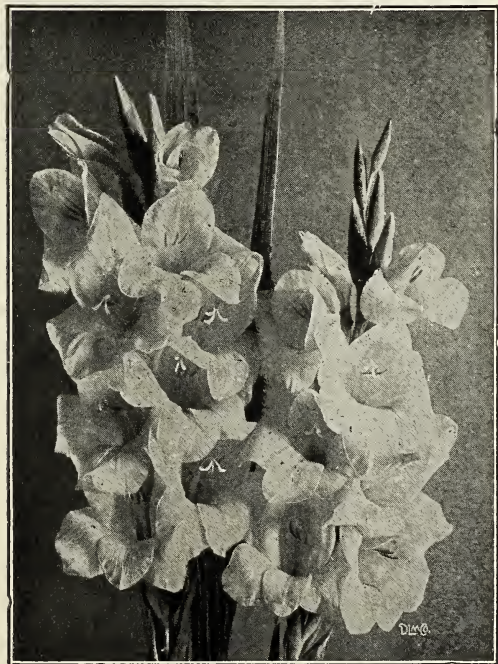
**Mrs. Frank Pendelton.** Large size flowers of a salmon pink color with deep red blotches in the throat. Very rich and effective. Doz. \$1.00, 100 \$7.00.

**Mrs. Francis King.** Large flowers, light scarlet with crimson blotches. Doz. 60c., 100 \$4.50.

**Loveliness.** Cream color. Doz. \$1.25, 100 \$10.00.

**Niagara.** A delightful cream shade, blending to a canary yellow splashed with carmine. Doz. \$1.00, 100 \$7.00.

**Panama.** A deep pink or rose color. Doz. \$1.00, 100 \$7.00.



**Gladiolus America**

**Peace.** Immense pure white flowers with a touch of lilac on lower petals. Doz. 85c., 100 \$6.50.

**Golden West.** Bright orange-red with darker stripes. Doz. 60c., 100 \$4.50.

**War.** Dark blood red shaded with crimson black. Doz. \$1.00, 100 \$7.00.

**Pink Perfection.** Soft rosy pink with white striped center of each petal. Doz. \$1.00, 100 \$7.00.

**Schwaben.** A clear canary yellow with a small blotch of deep garnet in the throat. Doz. \$1.25, 100 \$10.00.

**Mixed Gladioli.** A splendid mixture of good sorts, including Hybrids, which will give you a rare and beautiful assortment of colors. Many fine varieties are included in this mixture. Doz. 35c.

## LILIES

Lilies do best in a well dug, rich, moist soil that is well drained. Deep planting is recommended for all varieties except the *L. Candidum* (Madonna Lily). Plant at least 6 inches deep with at least 1 inch of sand beneath the bulbs. For best effects plant in clumps of six or more, in the hardy border where they get the shade of surrounding plants. Although generally classed as hardy, it is advisable to mulch with leaves or litter in the late Fall as a protection against frost.

## JAPAN LILIES

**Auratum** (Golden Banded Lily of Japan). This beautiful Lily has flowers 6 to 8 inches in diameter, composed of six white petals with chocolate crimson spots and a broad golden band in center of each petal. Very fragrant. Suitable for pots indoors. Each 40c.

**Speciosum album.** Grows about 4 feet tall. Fragrant, glistening white flowers. Suitable also for pot culture. Each 40c.

**Speciosum rubrum.** White heavily spotted with rich rosy crimson spots. Grows 3 to 4 feet tall. One of the most popular garden varieties. Blooms in August. Each 40c.

**Henryii.** Tall with bright orange-yellow flowers, spotted reddish brown. Hardy, robust, long lived and easily grown. Each 40c.

## HARDY GARDEN LILIES

**candidum** (Madonna, St. Joseph's, Annunciation Lily). For Fall planting. Ready in late August. One of the finest and hardiest outdoor white Lilies. Very fragrant. Especially fine when planted with Delphinium. Multiplies freely. Each 25c., doz. \$2.50.

**tigrinum** (Single Tiger Lily). Flowers orange-red, spotted black. Very hardy and multiplies freely. Each 15c.

**Lily of the Valley.** Well known and popular Spring flowering plant, flowers bell-shaped, white and fragrant. Prefers a partly shaded, rather moist location. A few clumps will start a bed and will require but little care. Clumps each 25c., single roots, doz. 25c.

## MISCELLANEOUS BULBS and ROOTS

**DOUBLE PEARL TUBEROSES.** One of the most delightfully fragrant and beautiful of the Summer flowering bulbs. Start indoors in pots for early bloom. Plant out of doors when ground is warm. Successive plantings out of doors may be made for late blooms. Not hardy; must be treated same as Gladioli. Each 10c., doz. \$1.00.

**HYACINTHUS candicans** (Summer Hyacinth). Planted among shrubbery or with scarlet Geraniums. They produce a beautiful effect in August and September with their Fall flower spikes 3 to 4 feet high, with 20 to 30 white bell-shaped blossoms. Not hardy. Each 10c., doz. \$1.00.

**MADEIRA VINE** (Climbing Mignonette). A tuberous rooted rapid growing climber. Fine for trellis or screened porch or veranda. Fleshy, heart-shaped leaves and hanging stems of fragrant white flowers. Each 10c., doz. \$1.00.

### BEGONIAS—TUBEROUS ROOTED

Beautiful pot plants for the home or greenhouse, also valuable for bedding. They flower in great profusion throughout the Summer and Fall until frost. Start in March or April in pots in the house or in hotbeds for outdoor flowering. Set bulbs with tops slightly covered and water sparingly until plants are growing. Prefer a moist, partly shaded place, sheltered from strong winds.

**Single Varieties.** Salmon pink, yellow, white, crimson, pink, orange. Large bulbs. Each 25c., doz. \$2.50.

**Double Varieties.** Crimson, rose, salmon, scarlet. Large bulbs. Each 35c., doz. \$3.75.



Peony

### GLOXINIA

A bulbous greenhouse or indoor plant producing large funnel or trumpet-shaped flowers of exquisite beauty. Bulbs may be potted up in a mixture of equal parts of peat, loam and sand. Start with a light watering and increase supply as plant grows. After blossoming moisture may be gradually withdrawn, not allowing the bulb, however, to become wholly dried off. After a resting period the bulb will start anew.

**Mixed Hybrids.** Each 35c.

### OXALIS

Very useful little Summer flowering bulbous plants. Effective in masses or bed or for edgings. Grow about 1 foot high. In colors, red, white and pink. Doz. 25c.

## PEONIES

While we have many customers who inquire for Peony roots for Spring planting, and while we would gladly furnish them at that time, *we wish to impress on them the advisability of Fall planting.* Clumps of medium size planted in the Fall will flower the following Spring, whereas, clumps planted in the Spring will not blossom as a rule until the following year. Peonies are one of the most popular hardy garden plants. They will stand the most severe weather with little or no protection. During June they will afford a display that is unequalled. Every garden should have a few clumps of these beautiful rose-scented flowers.

**Cultural Directions.**—Peonies thrive best in rich soil. Add manure, poultry droppings, or any other form of fertilizer while the plants are dormant. Do not set the clumps more than 3 inches below the surface of the soil. Most Peony growers advise the moving and dividing of the roots every five or six years. A falling off in bloom indicates that the plants need moving or that there is lack of fertilizer. The presence of ants while the plants are in bloom need cause no alarm as they do not seem to do any harm.

We offer the following varieties as being among the best of their respective colors. They are all *rose-perfumed* and excellent keepers. This makes them especially fine for cutting.

**Edulis superba.** A beautiful bright clear pink with silvery reflex. Root 50c.; large, undivided clumps, each \$1.75.

**Festiva maxima.** Regarded by many as the finest white Peony in existence. White shot with crimson. Root 50c.; large, undivided clumps, each \$1.75.

**Mont Blanc.** Beautiful creamy white; large, rose scented. Worthy of a place in every garden. Root 50c.; large, undivided clumps, each \$1.75.

**Queen Victoria.** White, tinted pink. Root 50c.; large, undivided clumps, each \$1.75.

**Dr. Andre.** A most attractive light pink. Root 50c.; large, undivided clumps, each \$1.75.

**Rose.** A dark rose, so dark that it might be called a crimson. Root 50c.; large, undivided clumps, each \$1.75.



## SELECTED HARDY GARDEN ROSES

Roses should be planted as early in the Spring as the ground can be worked. Handle carefully as they need attention when planted. They require a good sunny location, well drained and rich soil. When making the bed it is well to take out the soil to a depth of 18 inches to 2 feet and fill in well rotted cow manure to the depth of 10 to 12 inches and then replace topsoil. Press down firm and then set the bushes a little lower than they were in the nursery, covering the graft to prevent suckering as much as possible. Prune back to two or three eyes on each stalk, as all flowers are borne on new wood.

### HYBRID PERPETUAL, OR JUNE ROSES

Strong, dormant 2-year old plants. Each 75c.

**Alfred Colomb.** Bright red, very large, full and globular, free blooming and fragrant.

**American Beauty.** Rich rosy crimson, exquisitely shaded. A superb Rose.

**Earl of Dufferin.** Bright velvety crimson, shaded deep bronze. A beautiful combination. A large full flower.

**Frau Karl Druschki.** Snow white; buds perfectly formed. Two crops of blooms each season. Fine for cutting as it lasts well.

**General Jacqueminot.** Brilliant crimson scarlet; superb flowers, very fragrant. Good for all purposes.

**Magna Charta.** Bright rose, very large. Good early in the season. Sweet scented and fine texture.

**Margaret Dickson.** White with pale flesh center. Petals very large and shell-shaped. A fine variety.

**Marshall P. Wilder.** Deep, rich glowing red. Extra large, semi-globular, full. Very strong grower and free bloomer.

**Mrs. John Laing.** Soft pink, abundant bloomer; large flowers of fine form and lasting well. A variety of especial merit.

**Mrs. R. G. Sherman-Crawford.** Deep rosy pink, white at base of petals. Distinct from all other H. P. Roses and one of the finest grown.

**Ulrich Brunner.** Brilliant cherry red, flowers of immense size and bold, globular form.

**Persian Yellow.** A fine deep golden yellow. Double flowers.

**Salet Moss.** Rose color. Very double, with the true odor of the old Moss Rose. Very vigorous.

### HARDY EVERBLOOMING HYBRID TEA ROSES

These have been produced by crossing the free blooming Tea Roses with other varieties, principally the June flowering or Hybrid Perpetuals, thus combining the hardiness of the Hybrid Perpetuals with the free blooming habit of the Teas. Hybrid Teas need protection during the Winter by mounding the soil about the stems to a height of 8 or 9 inches, just before frost, and then cover the entire bed with leaves or straw. You may put a 12-inch fence of poultry wire around the bed and fill in with leaves and then put on a few boughs to hold the leaves. Do not remove covering until all danger of frost is past. Prune back to 6 to 8 inches in Spring.

Strong, dormant 2-year old plants. Each \$1.00.

**Betty.** Blossoms a ruddy gold, very large and of good form. Blooms constantly from June until frost. Very fragrant.

**Duchess of Wellington.** Probably the finest yellow Hybrid Tea Rose ever produced. Flowers are a saffron yellow, becoming a deep coppery yellow as they open.

**Gruss an Teplitz.** Bright scarlet-crimson, satiny texture. Very free flowering and vigorous in habit.

**Hoosier Beauty.** Buds are long and slender. Flowers are large, full and a glowing crimson with dark shadings.

**Jonkheer J. L. Mock.** Carmine, changing to imperial pink. A distinct novelty of merit.

**Killarney, Pink.** Flesh color, shaded to white with pale pink blush. Buds long and pointed. Fine for massing and forcing.

**Killarney, White.** A fine white of Killarney type.

**Mme. Caroline Testout.** Bright satiny rose, with brighter center. Free flowering.

**Mrs. Aaron Ward.** A very handsome and free flowering variety. Color a distinct Indian yellow, shading lighter on edges.

**Ophelia.** A delicate rose, opening to a beautiful salmon-flesh pink, shaded with rose. A long bud on good stems.

**Richmond.** Pure red-scarlet, of free growing and free flowering habit. Valuable for forcing.

**Sunburst.** Very fine with long, spiral buds of a beautiful bronze yellow, fading to apricot.

### CLIMBING ROSES

Strong, dormant 2-year plants. Each 75c.

**Climbing American Beauty.** A new climber of wonderful beauty. Flowers are early, a deep rosy carmine, with shaded center of rich carmine-crimson. Vigorous growing. Succeeds in almost any location.

**Crimson Rambler.** The best known of the climbing Roses, and an old favorite.

**Dorothy Perkins.** Soft light pink. Flowers in large clusters; very lasting.

Train Climbing Roses on face of trellis or fence so that when Winter comes they may be laid down and the snow be allowed to cover them. This prevents Winter killing and gives nice green stalks for quick growth in the Spring.

**Silver Moon.** Clear, silvery white with bright yellow stamens which add to the attractiveness of the flowers. Free bloomer. Very hardy.

**Tausendschon** (Thousand Beauties). Flowers pink when opening, rosy carmine, when expanded. Clusters of large flowers, very vigorous and no thorns.

**Yellow Rambler.** Flowers medium size, cup-shaped, blooms in large clusters lasting three to four weeks. Color, light yellow.

## PERENNIAL PLANTS

The great interest in the old-time favorites of our mothers' and grandmothers' gardens has led us to grow in our own nurseries a choice assortment of perennials for Fall planting. These are from the choicest seed obtainable, either of our own selection from specimen plants, or from specialists in the growing of perennial seeds. We have included in this list a few biennials (H. B.) as they are planted and grown in the hardy border with perennials (H. P.).

**ACONITUM Napellus** (Monk's Hood). H.P., 4 feet. Helmet-shaped blue flowers. Does well in shade. One of the best of the blue perennials. Each 20c., doz. \$2.00.

**A CHILLEA** (Milfoil, or Yarrow). A fine, hardy plant, covered with white flowers June to September, 2 feet high.

**Ptarmica fl. pl.** (The Pearl). Double flowering. Each 20c., doz. \$2.00.

**ALTHEA, or HOLLYHOCK.** Alleghany Single and Double Mixed H.P., 6 to 8 feet. Make a fine background next to a building, high wall or fence, or a fine row in a garden. The double varieties are very desirable, but the new semi-double and fringed types are also very popular. Colors from pure white to deep red. Each 15c., doz. \$1.75.

**ALYSSUM, saxatile compactum** (Basket of Gold). H.P., 1 foot. In the Spring each plant is a mass of golden yellow flowers. Each 20c., doz. \$2.00.

**ANEMONE coronaria** (Wind Flower). H.P., 9 inches. Poppy-like flowers in Spring, brilliant and showy. Fine for bouquets. Each 20c., doz. \$2.00.

**ANTHEMIS** (Hardy Marguerite). 2 feet. A most satisfactory hardy perennial bearing Daisy-like golden yellow flowers all Summer. Excellent for cutting. Each 20c., doz. \$2.00.

**ANCHUSA** (Alkanet).

**italica** (Dropmore variety). Star-shaped flowers of rich gentian blue. May and June. Desirable in hardy borders. Each 20c., doz. \$2.00.

**AQUILEGIA. cærulea hybrids** (Columbine). H.P. Charming, hardy plants, bearing in May and June countless exquisite blossoms in blue, white, rose, yellow, purple and striped. Thrive in ordinary garden soil, but do best in partial shade. Each 20c., doz. \$2.00.

**BOCCONIA** (Plume Poppy).

**cordata.** A beautiful plant well adapted to planting in shrubby borders or massing for effect. Creamy white Poppy-like flowers, 6 to 8 feet. July and August. Each 20c., doz. \$2.00.

**BOLTONIA** (False Chamomile).

**latisquama.** Pinkish lavender Aster-like flowers in great profusion. August and September; 4 to 5 feet. Each 20c., doz. \$2.00.

**CAMPANULA.** H.P. This old-fashioned stately and showy flower is a favorite with all. Easy to grow. Transplanted in the Fall to a permanent location and covered lightly with evergreen branches, straw or coarse hay, after ground freezes they will come through the Winter nicely.

**Medium** (Canterbury Bells). Single.

**Mixed Colors.** Each 20c., doz. \$2.00.

**Medium calycanthema** (Cup and Saucer).

**Mixed Colors.** Each 25c., doz. \$2.50.

**CHRYSANthemum, Hardy.** Planted in sheltered locations at the base of walls, buildings, shrubberies, etc., they are wonderfully satisfactory, making an effective display after other garden flowers are destroyed by frost.

We have the following:

	Each	Doz.
<b>Autumn Glow.</b> Red.....	\$0.20	\$2.00
<b>Eleanore.</b> White.....	.20	2.00
<b>Lenobia.</b> Yellow.....	.20	2.00
<b>Rosea.</b> Pink.....	.20	2.00

**COREOPSIS. lanceolata grandiflora.** H.P. A fine, hardy plant with large bright yellow flowers produced in great abundance from June to frost. One of our showiest perennials. Each 20c., doz. \$2.00.

**DELPHINIUM** (Larkspur). H.P., 4 to 6 feet. One of the most exquisite and effective flowers we have for beds or massing. Splendid in combination with white Lilies (Madonna, or Candidum). Plant 1 to 2 feet apart.

**Belladonna.** Clear turquoise-blue. Each 25c., doz. \$2.50.

**Hybrids.** Various shades of blue. Each 20c., doz. \$2.00.

**DIGITALIS gloxiniaeflora** (Foxglove). Mixed colors. White, Pink, Lilac and Purple. Each 20c., doz. \$2.00.

**FUNKIA** (Plantain Lily).

**robusta elegans var.** Large growing, foliage green with pretty white variegations. Blooms in July; 2½ feet. Each 25c.

**GAILLARDIA grandiflora.** H.P., 1 to 1½ feet. Among the showiest and most effective hardy plants. Large, showy flowers. Should have a place in every hardy border. Require but little protection and thrive in almost any soil. If kept picked will bloom until frost. Mixed. Each 20c., doz. \$2.00.

**GYPSOPHILIA paniculata** (Baby's Breath). H.P. Pure white. Plants make fine clumps for garden use. Each 20c., doz. \$2.00.

**HELENIUM** (Sneezewort).

**autumnale superbum.** Golden yellow flowers in broad-spreading heads, during late Summer and early Fall. 5 to 6 feet. Each 25c., doz. \$2.50.

**HELIANTHUS** (Hardy Sunflower).

**Maximiliani.** One of the latest blooming of all hardy flowers. Blossoms clear yellow; 6 to 8 feet. October 1 and November. Fine for the flower or shrubby border. Each 25c., doz. \$2.50.

**LYCHNIS. Haggeana.** H.P., 2 feet. Brilliant orange-scarlet flowers, shaped like a Maltese cross; of large size; 1 foot high. May and June. Each 20c., doz. \$1.00.



## PERENNIAL PLANTS—Continued

**MONARDA** (Bergamot) (Horse Mint).

**didyma.** Showy plant, 2 to 3 feet high, with compact heads of bright red flowers, during June to August. Foliage fragrant. Each 20c., doz. \$2.00.

**MYOSOTIS** (Forget-Me-Not).

**palustris semperflorens.** This variety remains in flower a long time. Color blue. Good for shady spots in the rock garden; 10 inches high. May to September. Each 20c., doz. \$2.00.

**PACHYSANDRA.**

**terminalis.** Small white flowers. Foliage deep green; evergreen. Excellent where a green carpet is required. Looks well on graves, around shrubs, and under trees where grass will not grow. Each 30c., doz. \$3.00.

## IRIS

**GERMAN IRIS** (*Iris germanica*). These are among the most desirable and easiest grown of our early flowering hardy plants. Flowers are of exquisite coloring. Best results are obtained by planting in well drained, sunny locations, barely covering the roots. Avoid use of manure.

**Celeste.** Falls, bright blue; uppers, delicate grayish blue, all having a lavender effect.

**Edith.** Standards, light blue; falls, purple.

**Fulda.** Satiny white, lower petals lilac, feathered yellow.

**Her Majesty.** Standards, old rose; falls, white, striped rosy lilac. A very large flower.

**Innocence.** Pure white, penciled purple and orange.

**Madame Chereau.** White, elegantly filled with a wide border of clear blue.

**Madame Pacquette.** Rosy claret.

**Mrs. H. Darwin.** Satiny white, veined crimson.

**Queen of May.** Very dainty, soft rose-lilac, almost pink.

All: Each 20c., doz. \$2.00.

**JAPANESE IRIS** (*Iris Kaempferi*). This beautiful flower, in its improved form, is as popular as the Peony and the Phlox. It blooms about the middle of June and continues for four to five weeks. Succeeds in almost any soil, but rich soil and plenty of water when flower-buds are forming gives heavier blooms and larger flowers. Splendid for cut flowers. When cut in the bud state the blooms open after being placed in water. Various colors, shades and markings.

**Gekka-no-mami** (Waves under Moonlight). Glistening white, with creamy white stigmas. Each 25c., doz. \$2.50.

**Kumo-no-obi** (Band of Cloud). Bright clear purple with halo and rays of white; throat golden and standards white, tipped with purple. Each 25c., doz. \$2.50.

**Momiji-ne-taki** (Maple Waterfall). Double variegated variety, bright crimson purple, feathered in white. Each 30c., doz. \$3.00.

**Purple and Gold.** Double large flowers, often 10 inches across, and free blooming. Color, rich violet with white petals, tipped with violet. Throat golden. Each 25c., doz. \$2.50.

**POPPY, Oriental.** H.P. For permanent beds they are unequalled. Effective among shrubbery. Tall growth; large, showy, scarlet flowers. Each 20c., doz. \$2.00.

**Iceland.** H.P. A graceful plant with bright green, fern-like foliage. The flowers are borne on 12-inch stems. Pick off seed pods and they will bloom the entire season. Mixed colors. Scarlet, Orange, White, etc. Each 20c., doz. \$2.00.

**PYRETHRUM. roseum hybridum.** H.P. Useful in borders. Fine, Daisy-like flowers useful for cutting. Come in a variety of colors borne in great profusion in May and June and again in the Fall. One of the most graceful and long-lasting cut flowers. Each 20c., doz. \$2.00.

**Double Flowering.** In crimson, pink and white. Each 50c.

**PHLOX.** In 15 varieties. Each 20c., doz. \$2.00.

A few of the named varieties are the following:

**Coquelicot.** Brilliant scarlet with crimson eye.

**Eclaireur.** Carmine-purple.

**Elizabeth Campbell.** Clear soft pink.

**RUDBECKIA** (Cone Flower).

**purpurea** (Grand Purple Cone Flower). Bushy plants 3 feet high, blooms July to October. Flowers 4 inches across, of a reddish purple color with brown center. Each 20c., doz. \$2.00.

**laciniata, fl. pl.** (Golden Glow). Double yellow flowers. August and September; 6 feet. Each 20c., doz. \$2.00.

**SALVIA.**

**azurea grandiflora.** A Rocky Mountain species with sky blue flowers; 3 to 4 feet. August and September. Each 25c., doz. \$2.50.

**SCABIOSA.**

**caucasica** (Pincushion Flower). Handsome, hardy plant and should be grown by everyone; beautiful soft lilac flowers; 2 to 3 feet. June to August. Each 25c., doz. \$2.50.

**SHASTA DAISY** (*Hardy Chrysanthemum*). H.P. Bushy growth. Bears a profusion of immense white flowers on long stems. The blooms are very lasting and showy. Fine for indoor decoration. Each 20c., doz. \$2.00.

**STOKESIA laevis** (Cornflower, Stoke's Aster). H.P., 18 inches. Handsome Cornflower-like flowers, 4 to 5 inches across. July to October. Easy culture and most desirable for the hardy border. Mixed colors. Blue and white. Each 20c., doz. \$2.00.

**SWEET WILLIAM** (*Dianthus barbatus*). H.P. The merits of this sturdy, old-fashioned flower are becoming more generally recognized. Beautiful, fragrant and easily grown. Large heads of flowers and wide range of colors. Each 15c., doz. \$1.75.

**VERONICA** (Speedwell).

**longifolia subsessilis.** Blue. A very beautiful herbaceous plant. Very attractive. Blooms until late Fall. August; 2 feet. Each 25c., doz. \$2.50.

**YUCCA** (Adam's Needle).

**filamentosa.** Of tropical appearance with sword-like foliage and pyramidal clusters of creamy white flowers; 4 to 6 feet. June and July. Each 25c., doz. \$2.50.

## FLOWERING AND ORNAMENTAL SHRUBS

Shrubs are not particular as to location, although some of the blossoming varieties require more care than others. The time of bloom for the greater number is in the Spring, although some come later, prolonging the blooming period. The variegated and golden leaved sorts, together with those bearing ornamental fruit, will make a varied display.

**ALMOND, Flowering.** A bushy shrub, or dwarf tree rarely over 5 feet tall, bearing rose and blush colored double flowers in early Spring. Hardy and very attractive. Heavy plants. Each \$1.00

**ALTHÆA, or Rose of Sharon.** Bush form. White, red, pink, and purple. An attractive, hardy shrub with large, showy blossoms. Excellent for a flowering hedge or to grow singly. Each 50c. Tree form. Each 80c.

**BERBERIS. Thunbergii, or Japan Barberry.**

One of the best lawn or border shrubs. Compact low growing and especially suitable for a hedge or a border along walks and drives or in front of low verandas. Foliage a deep green, turning red in the Fall, followed by scarlet berries.

	Each	Doz.
12 to 18 inches.....	\$0.30	\$3.00
18 to 24 inches.....	.40	4.25

**BURNING BUSH, or STRAWBERRY TREE** (*Euonymus europæa*). European Burning Bush. Forms a tree sometimes 30 feet high. Fruit rose colored. Each 50c.

**CALYCANTHUS, Carolina Allspice, or Sweet Scented Shrub.** Handsome plant, growing to about 6 feet tall with large, glossy foliage and spicy, fragrant, chocolate-red flowers about 2 inches across. Does well either in sunny or shady location. Each 50c.



Diervilla or Weigela

**CRAB, Bechtel's Double Flowering.** A tree of medium size with flowers of large size and beautiful pink color. Resemble a fragrant double pink rose. Each \$1.50.

**CURRENT, Flowering.** (See *Ribes*.)

**CORNUS, or Dogwood.** Hardy shrubs with handsome foliage, often turning a brilliant red in the Fall and with attractive flowers and fruits. The red branched varieties are especially attractive in Winter.

**Mascula, or Cornelian Cherry.** Yellow flowers in April before leaves appear and scarlet fruits in Autumn. Blooms very early. Each 50c.

**sibirica, or Siberian Dogwood.** Rapid growing shrub with white flowers in May and June and bright red bark in Winter. Each 50c.

**CYDONIA japonica, or Japanese Quince.** A handsome and ornamental shrub. Covered with bright red flowers early in Spring before the leaves appear. Foliage bright glossy green and remains all Summer. One of the best hardy shrubs. Each 50c.

**DEUTZIA.** Very ornamental and popular shrubs, with snowy white or pinkish flowers in tassel-like clusters in Spring, and early Summer. Thrive in almost any soil and well adapted to borders and shrubberies. *D. Lemoinei* is the hardiest white. *D. gracilis* and *D. crenata* require light protection.

**Lemoinei.** Spreading habit, 3 feet high. Pure white flowers in broad clusters. Each 50c.

**crenata.** Tall, up to 6 feet. Blooms in advance of others. Large double white flowers. Each 50c.

**gracilis.** Low growing, 3 feet high. Slender arching branches, bright green leaves. Snow white flowers. May and June. Each 50c.

**DIERVILLA, or Weigela.** Beautiful shrubs, blooming in May, June and July. Trumpet-shaped flowers, very abundant and close together. Very desirable for the border or for grouping. Each

**candida.** White flowers.....50c.

**rosea.** Rose-colored flowers.....50c.

**Eva Rathke.** Large crimson flowers.....50c.

**ELDER, or Sambucus.** Beautiful leaves as well as flowers and fruit. Bloom in June. Requires vigorous pruning.

**Golden Elder.** (Yellow-leaved *nigra aurea*). Each 50c.

**Red Berried** (*Racemosus*). Each 50c.

**FORSYTHIA, or Golden Bell, suspensa.** One of the showiest early flowering shrubs, with brilliant yellow flowers in great numbers appearing before the leaves; 8 to 10 feet high. Each 50c.



## FLOWERING AND ORNAMENTAL SHRUBS—Continued

**HONEYSUCKLE, or Lonicera.** Shrubs of upright habit, with fragrant flowers and red berries. Thrive in almost any garden soil, preferring sunny location. Prune during the Winter.

**Morrowii.** Yellow flowers followed by red fruits. Each 50c.

**tatarica alba.** Produces an abundance of fragrant white blossoms in May and June, followed by red berries. Each 50c.

**tatarica rubra.** Bright red flowers followed by red fruit. Each 50c.

**HYDRANGEA.** One of the best and most reliable shrubs, giving a large number of showy white flowers in August. To secure large clusters of blossoms, prune in Fall or early Spring to 2 or 3 buds on each branch.

**arborescens** (Snow Hydrangea). The snow-white blooms are much like the snowball flower, but larger and more attractive. Coming into bloom after the Spring blooming shrubs have finished makes it valuable for the garden. Each 75c.

**paniculata grandiflora.** A most popular and widely planted shrub, perfectly hardy, standing heat and cold. Flower panicles are white, changing to rose and remain in good condition for weeks. Bush form; each 60c. Tree form; each \$1.00.

**KERRIA, or Corchorus.** A shrub with tender, bright green branches which are ornamental even when bare of leaves. Does well in almost any soil and in shade or sun. Excellent for use in front of taller shrubs. Orange-yellow flowers in May and occasionally during the Summer.

**japonica.** 12 to 18 inches, double yellow. Each 50c.

**LIGUSTRUM, or Privet.** Very fine for shrubberies or hedges. Have dark green, clean foliage, rarely attacked by insects and stays green until late Fall. Stand the dust and smoke of the city and grows well in almost any soil.

**Regel's Privet.** Low, dense shrub, with almost horizontal spreading branches and oblong leaves. Graceful and perfectly hardy. Each 15c.

**ovalifolium** (Californian Privet). Rapid grower with bright shiny leaves. Grows freely in almost any soil, is compact in form and can be trimmed to almost any shape. Desirable for hedges. Each 12c., 100 \$10.00.

**LILAC, or Syringa.** One of the best ornamental shrubs for borders or as specimens. Very hardy and will stand neglect and drought. Blossoms in early Spring and are very fragrant.

**vulgaris, or common.** Tall growing, 8 to 15 feet, with large clusters of fragrant purple flowers. Each 50c.

**alba** (Common White Lilac). Each 50c.

**japonica** (Giant Japan Tree Lilac). Leaves thick pointed and dark. Flowers in very large clusters, creamy white. Each \$1.00.

**persica** (Persian Purple). Native of Persia. Leaves small, dark green. Flowers, abundant, delicate and purple. Each 75c.



Hydrangea

**FRENCH LILACS.** Each

**Emile Lemoine.** Very fine double pink... \$1.00

**Mad. Casimir Perier.** Double cream white. 1.00

**Pres. Grevy.** Large semi-double bluish..... 1.00

**Frau Dammann.** Double white..... 1.00

**PHILADELPHUS, or Mock Orange or Syringa.**

Tall, vigorous growing shrubs with an abundance of fragrant white flowers, excellent for cutting. Will thrive well in any well drained soil. Prune after flowering. Cut out branches which are three to four years old. Good for backgrounds and screens.

**coronarius** (Garland Syringa). One of the best and earliest. Has large clusters of pure white fragrant flowers in May; 6 to 12 feet. Each 50c.

**aurea** (Golden Syringa). Medium high. Foliage golden yellow. Each 50c.

**grandiflora.** Large flowered. A vigorous, upright grower. Slender branches with an abundance of pure white, fragrant flowers in June. Each 50c.

**PRUNUS, triloba, or Double Flowering Plum.**

A low growing, hardy shrub with slender branches and double pink flowers in advance of the leaves. Each \$1.00.

**RIBES, or Flowering Currant.** Grows 4 to 7 feet high. Flowers yellow and spicy fragrant, borne very abundantly in May. Each 50c.



## FLOWERING AND ORNAMENTAL SHRUBS—Continued

**SPIRÆA.** All are medium size or low shrubs and well adapted for borders or shrubbery. Easy culture and rapid growth. Will grow in almost any moderately moist soil.

**Van Houttei** (Bridal Wreath). One of the best varieties of Spiræa. Bush is round and graceful with long, thin, arching branches. The white flowers are in clusters and so numerous that the bush is snow white when in full bloom. Each 50c.

**Anthony Waterer.** A low growing shrub with deep rose colored blooms during the latter part of the Summer. Each 50c.

**SYMPHORICARPOS, or Waxberry.** Useful and attractive shrubs for a cover under trees or massing in the edge of beds or borders. Will thrive in almost any soil as they hold their fruit late into the Winter; they form a pleasing addition to the landscape.

## SYMPHORICARPOS—Continued

**racemosus, or White Snowberry.** Grows to medium size with pink flowers in July, followed by waxy berries in the Fall and early Winter. Each 50c.

**vulgaris, or Indian Currant.** Low growing, spreading and graceful habit and attractive foliage. Beautiful clusters of red berries which last into the Winter. Each 50c.

**VIBURNUM** (Arrow Root, or Snowball). A tall growing shrub, leaves broad and elegant. Flowers are pure white and borne in clusters like big balls of snow. Plant is excellent to use in border or as a specimen plant.

**plicatum** (Japan Snowball). One of the best varieties of Snowball on account of its freedom from plant lice. Each 75c.

**Opulis sterile** (Snowball). Globes of pure white flowers. Each 50c.

## HARDY CLIMBING VINES

**AMPELOPSIS Veitchii, or Boston Ivy.** Very rapid grower. Handsome glossy green foliage turning to orange and scarlet in the Fall. Best vine for covering brick or stone walls. Each 50c., doz. \$5.00.

**Engelmannii, or Engelman's Ivy.** One of the hardiest, best and quickest growing vines for this climate. Similar to the Virginia Creeper but superior in quality. Colors beautifully in the Fall. Each 50c., doz. \$5.00.

**quinquefolia** (Common Woodbine, or Virginia Creeper). Sometimes called five-fingered Ivy. Leaves larger than the Boston Ivy and turn to bright crimson in the Fall. Each 50c., doz. \$5.00

**ARISTOLOCHIA Siphon, or Dutchman's Pipe.** Rapid growth with large heart-shaped leaves and flowers of brownish color, resembling a miniature pipe. Excellent for covering arbors and screens. Each \$1.25.

**BIGNONIA radicans, or Trumpet Vine.** Clings to bark or walls. Foliage fern-like, flowers orange-scarlet and trumpet-shaped. Each 50c.

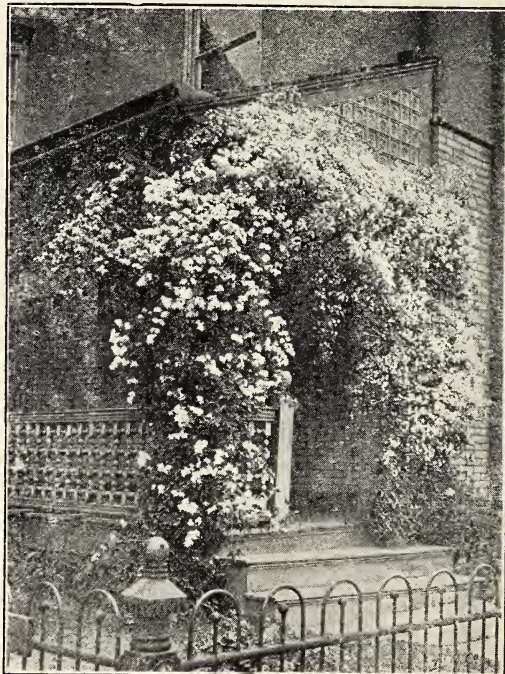
**CELASTRUS scandens, or Bittersweet.** A native climbing or trailing plant or vine with large leaves. Yellow clusters of flowers in May or June, followed by orange-colored berries in the Fall. Each 50c.

**CLEMATIS.** They need rich, well drained soil, plenty of water, and crowns must be planted 3 inches below surface of ground. Partly shaded position is best. Quite hardy, but it is best to mulch them during the Winter.

**Jackmanii.** Very hardy and free growing, with deep purple flowers. Is most satisfactory of its class. Blooms on shoots of the present season, so should be pruned early in the Spring. Each 75c.

**paniculata, or Japanese.** The best small flowering variety. Rapid grower. Flowers pure white, very fragrant and very abundant. Blooms in September when other vines have finished. Each 50c.

**LONICERA, or Honeysuckle** (Hall's Japan). A strong growing almost evergreen vine; flowers pure white changing to yellow. Fragrant; covered with bloom from July to November. Each 50c.



Clematis

**LYGIUM, or Matrimony Vine.** A well known hardy, fast growing vine with handsome scarlet fruits in the Fall. Used as a ground cover or trailer under trees or on steep slopes to hold soil in place. Each 50c.

**WISTARIA.** One of the best hardy climbers. Given a sunny location and liberal manuring it grows rapidly and is magnificent in bloom.

**chinensis.** Delicate violet blue blossoms, richly perfumed. Each 75c.

**alba.** White blossoms. Otherwise similar to above variety. Each 75c.



## EVERGREENS

As our stock of Evergreens is variable as to varieties and sizes, we can only list a few of the most commonly used kinds and heights. If there is anything you are in need of in this class of trees and shrubs, consult us for further information. The best time for planting Evergreens is in April and late August or early September. A little extra care in planting and mulching will be repaid by better growth and less loss.

**On all Evergreens if balled and burlapped, add 25c. each.**

### JUNIPERIS (Juniper).

**Sabina** (Savin Juniper). A low spreading tree with handsome dark green foliage; very hardy; suitable for lawns and cemeteries; 18 inches. Each \$4.00.

**virginiana** (Common Red Cedar). Varies in color of foliage. In Summer it is a bright green and in Winter a bronze hue; 18 inches. Each \$1.50.

### PICEA (Spruce).

**excelsa** (Norway Spruce). One of the best evergreens for hedges and windbreaks. A tall tree of perfect pyramidal form. Very popular; 2 to 3 feet. Each \$1.00; 3 to 4 feet. Each \$1.50.

**Kosteriana** (Koster's Blue Spruce). A beautiful selected strain of the Colorado Blue Spruce; 2½ to 3 feet. Each \$4.00.

**HEMLOCK** (*Abies canadensis*). A beautiful lawn tree, makes a fine hedge; 2½ feet. Each \$2.50

### PINUS (Pine).

**Mughus** (Dwarf). An upright, small pine bush; 12 to 18 inches, spread. Each \$3.00.

### THUYA (Arbor Vitæ).

**occidentalis** (American Arbor Vitæ). A fine evergreen for hedges and easily transplanted. Grows rapidly and with little care; 3 to 4 feet. Each \$3.00; 4 to 5 feet. Each \$3.50.

**Var. globosa** (Globe headed). Grows in a low thick globe form with attractive foliage; 1 foot. Each \$1.50.

**Var. pyramidalis** (Pyramidal Arbor Vitæ). A beautiful, upright evergreen of compact habit similar to Irish Juniper or erect Yew; 3 feet. Each \$3.00.

## FRUITS

The supply of fruit trees and small fruits is extremely small, due to the heavy demand during the past two or three years and the limited amount of expert help available to nurserymen. The quality of the fruits offered is excellent, however, but is offered subject to being on hand on receipt of order and also subject to change in price.

### APPLES—STANDARD

11/16 inches and up. Each \$1.00.

**Baldwin**  
**Spy**  
**King**

**McIntosh**  
**Banana**  
**Duchess**

**Wealthy**

### PEARS—STANDARD

11/16 inches and up. Each \$1.50.

**Bartlett**

**Clapp's Favorite**

**Flemish Beauty**  
**Kieffer**

**Seckle**

### CHERRIES—SOUR

11/16 inches and up. Each \$1.50.

**Early Richmond**. Medium, dark red, acid, June.

**Montmorency**. Large red, productive, 10 days later than Early Richmond.

### CHERRIES—SWEET

11/16 inches and up. Each \$1.50.

**Black Tartarian**. Very large, black, juicy, last of June.

**Rockport**. Large pale amber, light red in the sun. Sweet and good. June.

### PEACHES

9/16 inches and up. Each \$1.00.

**Crawford**

**Elberta**

**Yellow St. John**

### QUINCE

2 to 3 feet. Each \$1.50.

**Orange**

**Champion**

### PLUMS

11/16 inches and up. Each \$1.50.

**Abundance**. Large oblong.

**Burbank**. Large, clear cherry red, very sweet.

**Lombard**. Oval, violet red.

**German Prune**. Large oval, dark purple.

**Reine Claude** (Baray's Green Gage). Round, greenish yellow, sugary, rich and excellent.

### GRAPES

**Concord**. Good vines. Each 25c.

**Niagara**. Each 30c.

**Delaware**. Each 50c.

### GOOSEBERRIES

**Downey**. Green. Each 50c.

**Houghton**. Red. Each 50c.

### CURRANTS

**Cherry**. Deep red, large. Each 35c.

**Wilder**. Red, large. Each 35c.

**White Grape**. Large, yellowish white. Each 35c.

### RASPBERRIES

Doz. \$1.00.

**Cuthbert**. Red

**Columbian**. Purple

**Marlboro**. Red

**Cumberland**. Black

**Plum Farmer**. Black

### BLACKBERRIES

Doz. \$1.00.

**Eldorado**

**Snyder**.

## FERTILIZERS, ETC.

Prices very variable and subject to change without notice.

**Bowker's Lawn and Garden Dressing.** A good all-round fertilizer for the home vegetable and flower garden, for stimulating lawns, etc. 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.



**Bowker's Ammoniated Plant Food.** For pot plants of all kinds. Odorless. Small pkg. 20c., large pkg. 35c.

**Nitro-Fertile.** A soluble, concentrated liquid plant food for stimulating house plants, Melons, Cucumbers, etc. Odorless. Tablespoonful makes 1 gallon liquid fertilizer. ½ pt. 35c., pt. 60c., qt. \$1.00, gal. \$3.00.

**Wizard Brand Powdered Sheep Manure.** For vegetable and flower gardens, lawns, shrubs, etc. Safe and easy to apply. 5 lbs. 40c., 10 lbs. 65c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

**Agricultural Lime, Fine Ground.** Beneficial to all vegetable growth. Corrects the acidity of the soil. Excellent for lawns. 5 lbs. 15c., 10 lbs. 25c., 50 lbs. \$1.00.

**Wood Ashes.** High in potash. Lightens the soil and is a good fertilizer. 5 lbs. 40c., 10 lbs. 65c., 25 lbs. \$1.00, 100 lbs. \$3.00.

**Shredded Cattle Manure.** 100 lb. bags only. A rather coarse animal manure. Excellent for improving and lightening the soil and for mulching. Bag \$3.00.

**Blood Meal, or Flour.**—85 per cent. protein, or 13 per cent. nitrogen. A rich and concentrated fertilizer and forcer. 5 lbs. 75c., 25 lbs. \$2.50.

**Bone Meal.** Fine ground. Excellent for mixing with the soil for potting. Fine for Roses. Assists in sweetening the soil. Pkgs. 15 and 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 100 lbs. \$4.00.

**Moss, Sphagnum.** For filling Orchid baskets and for mixing with potting soil to hold moisture. In bales 35 to 40 lbs.; lb. 15c.

**Peat, Orchid.** For potting Orchids, etc. Lb. 20c.

**Humus, Alphano Brand.** For adding humus to the soil; for dressing lawns, etc. Lb. 4c., 100 lbs. \$3.00.

**Nitrate of Soda.** Price very variable, ask for quotations.

**Sulphate of Ammonia.** Price very variable, ask for quotations.

## STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

Plant food in tablet form. Most modern and scientific method of fertilizing all kinds of growing plants in home garden, orchard and on farms. A tablet with a guaranteed chemical analysis of 11 per cent. Nitrogen, 12 per cent. Phosphoric Acid and 15 per cent. Potash. No other plant food contains as high an analysis as this. Stim-U-Plant Tablets are composed of water soluble materials of great feeding power.

Tablets should be used directly in the soil at the base of the plants or dissolved in water and applied to the soil. Do not spray on the foliage. Packed in four sizes:

Trial Size containing 10 tablets.....	\$0.15
Small Size containing 30 tablets.....	.25
Medium Size containing 100 tablets.....	.75
Large Size containing 1000 tablets.....	3.50

## BIRD SEED AND SUPPLIES

**Canary Seed, Plain.** Best grade. Lb. 15c.

**Canary Seed, Mixed.** Lb. 15c.

**Excelsior Bird Food.** Pkg. 20c. each.

**Excelsior Bird Gravel.** Pkg. 10c. each.

**Spratt's Bird Food.** Pkg. 20c. each.

**Sheppard's Song Restorer.** Pkg. 25c. each.

**Bird Manna.** Pkg. 15c. each.

**Spratt's Cod Liver Oil Bird Food.** Pkg. 20c. each.

**Rape, Dwarf Essex.** Lb. 15c.

**Hemp.** Lb. 12c.

**Lettuce Seed.** Lb. 40c.

**Millet, Golden.** Lb. 10c.

**Gravel for Cages.** Per measure 8c., 10 lbs. and up, lb. 3c.

**Cuttlefish Bone, Plain.** Lb. 75c., each 5 and 10c.

**Cuttlefish Bone, Wired.** Pkg. 5, 10 and 15c.

**Sunflower Seed for Parrots, Striped.** Lb. 20c.

**Mixed Parrot Seed.** Lb. 20c.

**Giant Black Russian Sunflower Seed.** Lb. 25c.

A complete assortment of Bird Baths, Drinking Cups and Feeding Dishes always on hand.

Prices on seed are those in effect at time of going to press and are subject to market changes without notice.

Special quotations to Breeders.

## POULTRY FEEDS AND SUPPLIES

**Aluminum Parcel Post Boxes.** 2 doz. size.....\$0.85  
3-doz. size.....1.00  
4-doz. size.....1.25

**Carbola.** A disinfecting whitewash and lice killer. The best ever for chicken coops, dog kennels, cow barns and stables. Mix with cold water and apply with brush or sprayer. Trial size 30c., large size.....1.25

**Champion Leg Bands.** 25 25c., 50 40c., 100......75

**Conkey's Lice Liquid.** ½ gal. can 90c., 1 gal. can.....1.50

**Conkey's Poultry Tonic.** Small size 30c., large size......60

**Conkey's Noxicide.** Pt. 50c., qt. 75c., ½ gal. \$1.25, gal...2.00

**Conkey's Cholera Remedy.**......30

**Conkey's Roup Remedy.**......30

**Conkey's White Diarrhea Tablets.**......30

**Conkey's Canker Remedy.**......60

**Champion Leg Bands.** 25 25c., 50 40c., 100......75

**Dr. Hess' Poultry Panacea.** Small size 30c., medium 75c., large.....1.50

**Dr. Hess' Roup Remedy**......25

**Dr. Hess' Cholera Remedy**......25

**Egg Boxes.** 1 doz size 30c. for 25......50

**Grit and Shell Boxes.** 2 compartments.....1.00

3 compartments.....1.40

**Moe's Top Fill Founts.** Gal.....1.80

2 gal.....2.50

**Moe's Bottom Fill Drink Founts.** Qt......35

2-qt......45

Gal......75

**Moe's Cold Climate Heater Founts.** 2-gal.....2.00

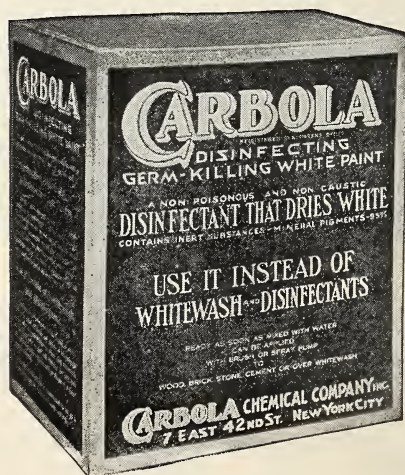
**Moe's Feed and Water Cups.**......18

**Moe's Star Jar Fount and Feeder**......15

**Moe's Wall Founts.** 1 gal......80

**Model Wall Founts.** 1 gal.....1.00

2 gal.....1.25



**Moe's Drop Bottom Wall Fount.** 2 qt.....\$0.90

1 gal.....1.00

**Moe's Round Chick Feeders.** Small......20

large......35

**Moe's Poultry Vegetable Rack**......85



## POULTRY FEEDS AND SUPPLIES—Continued

Moe's Dry Mash Hopper. Small.....	\$1.70
Medium.....	2.25
Large.....	3.00
Porcelain Nest-Eggs. Each 5c., 3.....	.10
Pratt's Poultry Regulator. Small pkt. 30c., medium 60c., large.....	1.20
Pratts Poultry Disinfectant and Lice Killer. Qt.....	.50
Pratts Lice Powder. Lb.....	.30
Pratts White Diarrhea Remedy.....	.25
Pratts Gape Remedy.....	.30
Pratts Cholera Remedy.....	.25
Pratts Lice Salve.....	.25
Spiral Leg Bands. Chick size, doz. 12c., large size, doz.....	.15
Sanitary Feeding Troughs. Small.....	.50
Medium.....	.75
Large.....	1.00
Stoneware Drink Founts. 2-gal.....	.50
Stoneware Rabbit Feeder.....	.25
Stoneware Pigeon Bath.....	.35

## POULTRY AND PIGEON FEEDS

H. O. Baby Chick Feed      Laying Mash  
Conkey Buttermilk Mash      Growing Mash  
Scratching Grains      Pigeon Feed  
Wheat, Oats, Corn, Barley, Peas; also Ground  
Grains and Mill Feeds for Poultry, Ducks and  
Pigeons.

As prices are variable, ask for quotations.

## DOG BISCUIT

Bennett's Milk Bone Dog and Puppy Biscuit. Small size 20c., large size 35c.

Spratt's Patent Dog and Puppy Biscuit. Small size 20c., large size 40c.

## INSECTICIDES AND REMEDIES FOR PLANT DISEASES

All prices subject to market changes.

**Aphine.** An insecticide that kills plant lice of many species. Destroys Green, Black and White Flies, Thrips, and prevents white and brown scale. Dilute with 15 to 40 parts of water. 1 qt. can \$1.25.

**Arsenate of Lead Paste.** Lb. only 35c.

**Arsenate of Lead Powder.** One to 1½ lbs. to 50 gals. water. Effective against all chewing insects. Sticks well to the foliage. It is white and shows where it has been applied. ½ lb. 35c., 1 lb. 65c., 5 lbs. \$2.75, 10 lbs. \$5.00.

**Bordeaux Zinc, Dry.** For fungus diseases and chewing insects. A combined spray.

**Bordeaux Lead, Dry.** For fungus diseases and chewing insects. A combined spray.

**Bordeaux Mixture, Dry.** For all fungus diseases.

**Black Leaf 40.** For spraying vegetables, fruits and flowers, to destroy lice and other sucking insects. 1 oz. bottle 25c., ½ lb. \$1.00, 2 lb. tin \$3.25, 10-lb. tin \$13.75.

**Copper Solution.** Prevents black and brown rot, mildew and other grape diseases, pear and apple scab, leaf blight, tomato rot, etc. Dilute 1-100 parts of water, spray lightly. Qt. \$1.25.

**Cut Worm Killer.** 1-lb. pkg. 35c.

**Fish Oil Soap.** For washing trees and destroying insects on bark, also for lice. ½ lb. pkg. 20c. 1 lb. 35c.

**Fungine.** For mildew, rust and other blights; does not stain foliage. Qt. \$1.25.

**Grape Dust, Hammond's.** For prevention of mildew on Roses, Grapes, Gooseberries. Apply with bellows. 5 lbs. 90c. **Hellebore.** Apply dry or mix with water, 3 ozs. in 1 gal. Prices variable.

**Key Duster Gun.** Quick and easy way of using dry insecticides and fungicides. \$3.00.

**L. A. S. Cartridges.** For fruit trees. Kills chewing insects 15c.

**B. A. Cartridges.** For Raspberries, Grapes, small fruits and vegetables. Kills leaf eating and chewing insects. Also acts as a fungicide. 15c.

**Hellebore Cartridges.** For currants and other small fruits. Each 20c.

**Kerosene Emulsion.** For cabbage worms, scale on trees, melon lice, rose bugs, etc. Dilute with 25 to 50 parts water. 1 qt. can 75c.

**Lemon Oil.** For destroying scale, caterpillar, mealy bug, ants, etc. ½ pt. 30c., pt. 50c., qt. 90c.

**Lime Sulphur Solution.** For San Jose scale. 1 gal. makes 15 gal. with water.

**Lime Sulphur, Dry.** Soluble in water. Light and convenient for spraying fruit trees and shrubs when dormant against San Jose, oyster shell scale, peach leaf curl and brown rot. 1 lb. makes 4 gals. spray. Lb. 30c., 5 lbs. 25c. per lb., 25 lbs. 20c. per lb.



**Magotite. A Real Maggot Remedy.** Protects your crops from the root maggot. Radishes, Turnips, Cabbage, Onions, Cauliflower. Eradicates earth worms from lawns and golf greens. Valuable stimulant and fertilizer. 2 lb. pkg. for 300 feet of drill. 2 lb. pkg. 35c. each, 4 lb. pkg. 60c., 8 lb. \$1.00, 24 lbs. \$2.50.

**Nicofume Liquid.** For spraying for aphids, thrips, plant lice, flies on Chrysanthemums, etc., also for fumigating greenhouses. ¼ lb. can 65c., 1 lb. \$2.00, 4 lb. \$7.50, 8 lbs. \$14.50.

**Nicofume Tobacco Paper.** For fumigating. 24 sheets \$1.25, 144 sheets \$5.00, 288 sheets \$9.50.

**Paris Green.** Use at the rate of 1 lb. to 200 gallons water as a spray. For all chewing insects. Lb. 65c., 2 lbs. \$1.15, 5 lbs. \$2.75.

**Path and Gutter Cleaner, Hammond's.** For killing weeds, ivy, grass, etc., in paths, gutters, tennis courts, etc. 1 gal. makes 40 gals. Qt. 75c.

**Pyrox.** Best and safest and most effective all-round spray for all chewing insects, blights and fungus. A splendid potato spray. Lb. 40c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25.

**Scalecide.** For San Jose Scale. A miscible petroleum oil. Mixes readily with water. 1 gal. to 15 to 20 gals. water. Qt. can 50c., gal. can \$1.75.

**Slug Shot, Hammond's.** One of the finest dusting powders for all insects on Cabbage, Turnips, Beets, potato bugs, currant worms, etc. Helps to prevent blight on Melons, Cucumbers, Roses, etc. Lb. 20c., 5 lbs. 65c.

**Slug Shot Sifter.** Each 60c.

**Sulphur Powder.** Valuable protection against mildew on Grapes, Roses, etc. Lb. 20c., 10 lbs. 15c. per lb.

**Tobacco Dust.** Lb. 15c., 10 lbs. \$1.00, 100 lbs. \$8.00.

**Tree Tanglefoot.** One application remains sticky for three months. Protects trees from all climbing insect pests. Lb. tin 50c., 3-lbs. \$1.45, 5 lbs. \$2.40.

**Vermine.** A germicide for all soil vermin, such as cut, eel, wire and grub worms, ants, slugs, maggots, etc. Qt. cans \$1.25.

## GARDEN IMPLEMENTS AND REQUISITES

Prices subject to change. Quotation on items not priced matter for correspondence.

ASPARAGUS KNIVES.	Each
<b>BOXES. Plant Saver.</b>	
No. A, 8x 12½x23 in.....	\$3.50
No. B, 8x 9½x29 in.....	4.00
No. C, 8x 9½x35 in.....	4.50
No. D, 8x 9½x41 in.....	5.00
No. E, 8x12 x12 in.....	3.50
No. F, 12x12 x12 in.....	4.00

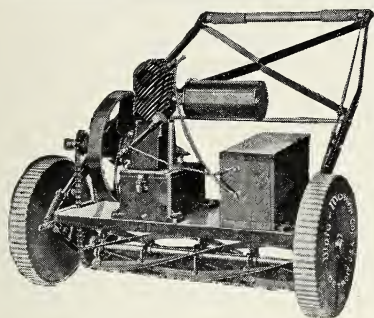
<b>BASKETS, Market.....</b>	Each
<b>BRACKETS, Hanging.....</b>	\$0.10
<b>BLEACHERS, Celery. Doz. 45c., 100.....</b>	0.45
<b>BOXES, Wooden Window.</b>	
1½ ft.....	\$0.60
2 ft.....	.80
2½ ft.....	.90
3 ft.....	\$1.00
3½ ft.....	1.15
4 ft.....	1.30

## GARDEN IMPLEMENTS AND REQUISITES—Continued

<b>BELLOWS.</b>				Each
Powder	\$3.00	Medium		\$0.15
Jumbo Powder	.30	Small		.10
<b>CARNATION SUPPORTS.</b> 2 ring.				Doz. \$1.25, 100 \$8.00.
<b>CANS, Watering.</b> Heavy Round.				
6 qt.	\$3.25	10 qt.		\$4.25
8 qt.	3.50	12 qt.		4.75
<b>CANS, Watering.</b> French Pattern.				
6 qt.	\$3.75	8 qt.		\$4.00
10 qt.	4.25			
<b>CEMETERY VASES.</b>				.20
<b>DIBBLES.</b> Wood handle, iron point.				
<b>FORKS.</b>				
Digging or Spading, Manure				
D. Handles				
Hay, 2 and 3 tines, long handle				
Ladies' Weeding, short handle				
<b>GARDEN LABELS.</b> Painted				
Doz. 100		Doz. 100		
8 in.	\$0.15 \$1.00	10 in.		\$0.20 \$1.30
	12 in doz. 25c, 100 \$1.50.			
<b>GRAFTING WAX.</b> ¼ lb. 15c., ½ lb. 25c., 1 lb. 40c.				Each
<b>GARDEN CARTS.</b> Low platform \$8.00; high box with removable sides				\$10.00
<b>GARDEN TOOLS FOR LADIES.</b> Set 3 pieces				
<b>GLASS CUTTER.</b> Red Devil				
<b>GRASS HOOKS, or SICKLES</b>				
<b>HOES, Garden, Draw, Scuffle and Drill</b>				
<b>HOSE, Garden and Greenhouse</b>				
<b>HOSE COUPLINGS</b>				
<b>HOSE NOZZLES</b>				
<b>HOSE MENDERS, Cooper's</b>				
<b>HOSE REELS</b>				
<b>LABELS, Pot and Tree</b>				100 1.000
Pot, Plain 5 in.			\$0.25	\$2.00
Pot, Painted. 4½ in.			.30	2.30
Pot, Painted. 6 in.			.40	3.25
<b>TREE PAINTED, COPPER WIRE.</b> 3½ in.				.40 3.50
<b>SIMPLEX WEATHERPROOF.</b> No. 2. Doz. 50c 4.00				
<b>PLANT DUSTERS.</b>				Each \$0.60
<b>PLANT STAKES.</b>				
Bamboo, Plain. 6 ft.		Doz. 100	\$0.25	\$2.50
Bamboo, Green. 2 ft.			.10	1.10
Bamboo, Green. 2½ ft.			.12	1.25
Bamboo, Green. 3 ft.			.15	1.50
Wood, Green. 2 ft.			.50	3.15
Wood, Green 3 ft.			1.00	8.40
Wood, Green 3½ ft.			1.15	10.00
Wood, Green 4 ft.			1.35	11.00
Wood, Green 6 ft.			2.50	20.00
<b>PRUNERS. Long-handled Tree.</b>				Each
6 ft.			\$1.50	
12 ft.				1.75
<b>POTS, SAUCERS, JARDINIERES, ETC.</b>				
Prices variable.				
<b>Pots.</b> Standard, ¾ and Bulb.				
2 in.	Each	Doz. 100	Each	Doz. 100
2 in.	\$0.20	\$1.60	6 in.	\$0.15 \$1.50 \$11.50
2½ in.	.30	2.25	7 in.	.25 2.60 21.00
3 in.	.35	2.75	8 in.	.35 3.00 27.50
4 in.	\$0.05	.50 4.00	9 in.	.50 5.00
5 in.	.10	1.00 7.00	10 in.	.75 6.00
	12 in.	Each \$1.00, doz. \$10.80		
<b>ORCHID POTS.</b>				
5 in.	Each	Doz.	Each	Doz.
5 in.	\$0.25	\$2.80	8 in.	\$0.55 \$6.25
6 in.	.40	4.25	9 in.	.70 8.35
7 in.	.50	5.25	10 in.	1.00 11.75
<b>SAUCERS.</b>				
3 in.	\$0.03	\$0.30	8 in.	\$0.10 \$1.10
4 in.	.04	.45	9 in.	.12
5 in.	.05	.55	10 in.	.15
6 in.	.06	.65	11 in.	.20
7 in.	.08	.90	12 in.	.25
<b>FERN DISH LININGS.</b>				
3 in.	\$0.06	\$0.62	6 in.	\$0.12 \$1.24
4 in.	.08	.82	7 in.	.15 1.65
5 in.	.10	.96	8 in.	.25 2.46
<b>PORCH POTS.</b>				Each
12 in.				\$1.50
<b>HANGING BASKETS.</b>				Each
No. 25, 8¾ in.				\$0.65
No. 150, 9 in.				.75
<b>HANGING POTS AND SAUCERS.</b>				
7 in.				\$0.35
8 in.				.40
9 in.				.50
<b>JARDINIERES.</b>				
5 in., holds 4 in. pot.				\$0.45
7 in., holds 6 in. pot.				.65
<b>BULB DISHES.</b>				
6 in.				\$0.50
8 in.				.75
<b>BULB HOLDERS.</b>				.25
<b>PAPER POTS, Neponset.</b>				
Doz. 100		Doz. 100		
2¼ in.	\$0.10	\$0.50	3½ in.	\$0.20 \$0.90
2½ in.	.12	.60	4 in.	.25 1.00
3 in.	.15	.70	5 in.	.35 2.00
	6 in.	Doz. 45c., 100 \$2.50.		
<b>RAFFIA.</b> Best quality natural color. Lb. 30c., 5 lbs. 25c.				Each
<b>RAKES.</b> Wooden lawn, and wire lawn styles				Each
<b>SAWS.</b>				
One Edge Pruning. Narrow blade				
Adjustable Blade, Pruning				
Adjustable Blade, Pruning Long handle				
Double Edge Pruning				
<b>SCYTHE STONES.</b>				
<b>SHEARS, Pruning.</b>				
English Hedge				
Grass				
Border				
English Lopping, for limbs and branches not over 1½ in. diameter				
<b>SHOVELS.</b>				
Square Point				
Round Point				
<b>SPADES.</b>				
Square Point				
Extra Heavy Gardeners				
<b>SPRINKLERS. Rubber Plant.</b>				
Straight neck				\$1.25
Angle neck				1.25
<b>SPRINKLER, Lawn.</b> Various sizes and styles				
<b>SPRAYERS. Auto Compressed Air Spray.</b>				
3 gal. galvanized				
3 gal. brass				
<b>KNAPSACK. Galvanized.</b>				\$18.00
½ gal. galvanized		\$1.10	1 qt. galvanized, flat can.	.50
1 qt., galvanized		.90	1 qt., tin	.50
1 qt., brass		1.10	1 qt., glass can.	.90
<b>SPRAY PUMP, Bucket.</b>				\$5.00
Brass. Easily operated, not affected by spray materials, throws a solid stream or fine spray				
<b>TWINE Sea Island, Ball.</b>				.20
Silkaleen, Green, Spool				.40
<b>THERMOMETERS.</b>				
Tinned				.25
Wood				1.25
<b>TROWELS, Garden.</b>				
Transplanting				
<b>TRELLIS, Wood. Green.</b>				
Small				.75
Medium				1.00
Large				1.50
<b>TUBS, Cedar. Green painted.</b>				
No. 1, 6 in. diameter		\$0.75	No. 8, 13 in. diameter	\$1.90
No. 2, 7 in. diameter		.80	No. 9, 14 in. diameter	2.30
No. 3, 8 in. diameter		.85	No. 10, 15 in. diameter	2.50
No. 4, 9 in. diameter		.90	No. 11, 16 in. diameter	2.85
No. 5, 10 in. diameter		1.05	No. 12, 17 in. diameter	3.30
No. 6, 11 in. diameter		1.30	No. 13, 18 in. diameter	4.00
No. 7, 12 in. diameter		1.50	No. 14, 19 in. diameter	4.70
<b>WHEELBARROW, Wooden Garden.</b>				
<b>WEEDERS.</b>				
Excelsior Finger				.15
Cultivator Weeder				
Pull Easy Adjustable Weeder and Cultivator				
<b>WATER BALLAST ROLLER.</b>				



**33-35 EAST CHIPPEWA STREET, BUFFALO, N. Y.**



## LAWN MOWERS

A very complete line of standard ball-bearing lawn mowers, sizes 12 to 18 inches, of excellent quality. Prices upon application.

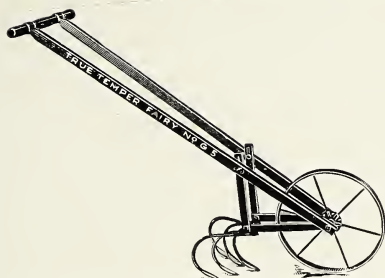
## MOTO-MOWER

Simple, light, economical. Requires very little attention. Has no glass or no exposed parts. Has automatic release between motor and reel. Strongly built yet only weighs 150 lbs. Easily operated, will cut around shrubs, and in nooks and corners and on terraces. Cuts 27 inch wide swath.

Descriptive circular on application. Price, \$275.00 F.O.B. Factory.

Ideal Power Lawn Mower and Roller. Price upon application.

## TRUE TEMPER TOOLS



### MAKES HOME GARDENING A DELIGHT.

The True Temper Fairy costs but a trifle more than a hoe and will do ten times the work. To cultivate often means a better garden. The Fairy will do this easily. It weeds, cultivates and keeps you smiling. It cultivates rows from 6 to 12 inches apart—just the machine for your home garden. Weight 12 lbs.

No. G5. Fairy.....\$3.20



### POPULAR HIGH WHEEL CULTIVATOR.

The True Temper Standard No. 20 is the most efficient high-wheel cultivator made. By means of a patented frame, adjustment is made instantly with one wing nut. Attachments are forged from tool steel, hardened and polished. They will scour and work perfectly in any soil. Weight 18 pounds. The Midget Seeder may be easily attached.

No. 20. Standard.....\$5.00

### MIDGET SEEDER MOST POPULAR SEEDER MADE

The Midget Seeder will pay for itself in a short time, because it saves seed by sowing accurately. It drills almost any kind of garden seed, including peas and beans. The Midget opens the furrow, sows the seed and covers up, all in one operation. Sold with handle or may be easily attached to almost any wheel cultivator. Weight 6 pounds.

No. 1H. With Handle.....\$5.40



### ENGLISH DIGGING FORK

The strongest and best spading fork made. Unbreakable. Forged from one piece of tool steel. Square tines. Oil tempered.

No. ED4 English Digging Fork.....\$2.75



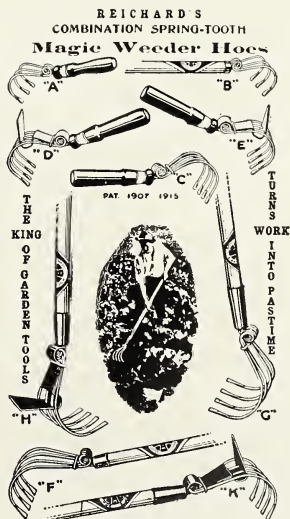
### ONE-PIECE STEEL MATTOCK

Just the tool for heavy soil. Has two oil tempered blades. Strong and light. 4½ ft. ash handle.

No. DE3H. Mattock.....\$1.75

### "PLANET JR." FARM AND GARDEN TOOLS

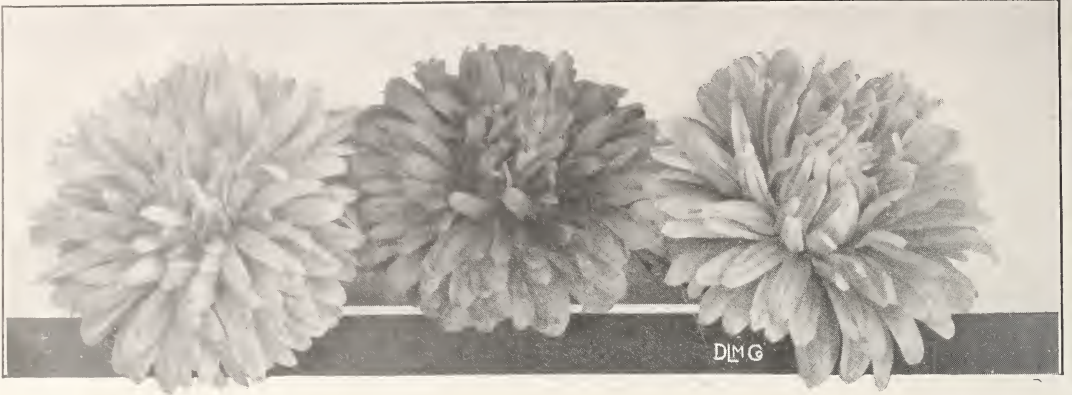
We carry a very complete assortment of these well known and very reliable garden helpers. They will be found most convenient in any garden of size and great labor savers. We shall be pleased to have you call and examine samples which we have set up for inspection. Complete catalogue with illustrations and prices free upon request.



### MAGIC WEEDER HOES

Great labor savers, strong construction, light weight. Styles and sizes for every requirement.

Each  
Style A.....\$0.15  
Style D......40  
Style G......75  
Style H..... 1.00



SHRUBS • ROSES  
PERENNIALS  
EVERGREENS  
• FRUITS •

Queen City Seed  
and Nursery Co.  
Incorporated  
BUFFALO, N. Y.

